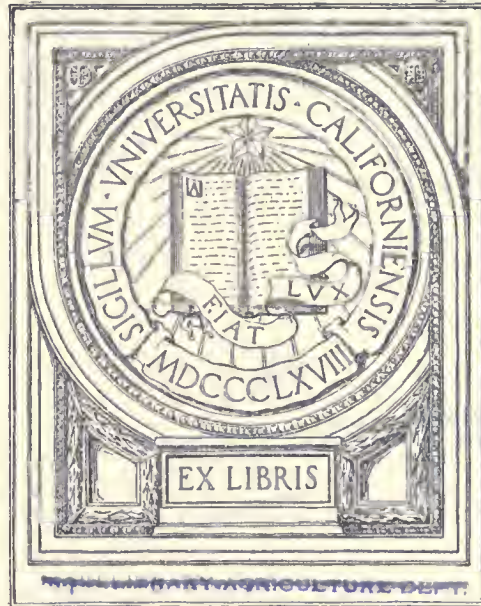


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MINISTRY OF AGRICULTURE, EGYPT.

TECHNICAL AND SCIENTIFIC SERVICE.

Bulletin No. 76.

(ENTOMOLOGICAL SECTION.)

LIST OF EGYPTIAN INSECTS

COLLECTION OF THE MINISTRY OF AGRICULTURE.

G. STORNY, B.A., F.R.S.,

ASSISTANT TO THE DIRECTOR OF AGRICULTURE.

(Approved by the Egyptian Government.)

Cairo,
MAJESTY'S PRESS.

Printed and Published by the Government of Egypt,
under the superintendence of the Director of Agriculture,
for the purpose of disseminating the results of the
researches of the Egyptian Entomologists.

1910.

Price: P.T. 10

ORGANIZATION OF THE MINISTRY OF AGRICULTURE, CAIRO, EGYPT.

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Under-Secretary of State	J. Haines.
Consulting-Agriculturist	G. C. Dudgeon, F.R.S., Vice-President of the International Association of Tropical Agriculture, Correspondent of the International Institute of Agriculture, Rome.
Inspector-General	A. T. McKillop.

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Director	A. E. Merton.
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Directed by the Consulting-Agriculturist.

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Principal	D. S. Nabaglieti, D.Sc., Agric. (Edn.), M.R.C.V.S.
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Lecturer in Zoology	Alphonse H. Gauthier.

MINISTRY OF AGRICULTURE, EGYPT.

TECHNICAL AND SCIENTIFIC SERVICE.

Bulletin No. 5.

(ENTOMOLOGICAL SECTION.)

LIST OF EGYPTIAN INSECTS

IN THE

COLLECTION OF THE MINISTRY OF AGRICULTURE,

BY

G. STOREY, B.A., F.E.S.,

ENTOMOLOGIST TO THE MINISTRY OF AGRICULTURE.

(Submitted for printing on March 12, 1916.)

CAIRO.

GOVERNMENT PRESS.

To be obtained, either directly or through any Bookseller,
from the GOVERNMENT PRESS, Bulâq, and from the SALE-ROOM,
Old Ismailia Palace, Sharia Qasr el Aini.

1916.

PRICE: P.T. 10.

PREFACE.

The formation of a representative collection of the insect fauna of a country is not as a rule considered to be the work of economic entomologists. This is due to the fact that in most countries the fauna has generally been fairly thoroughly worked up by amateurs and a good public reference collection in a museum is available for the use of the economic entomologist. In Egypt, however, at the time of the creation of the Department of Agriculture, there was no such public collection, and the only works devoted to the insects of Egypt alone, apart from a number of more or less incomplete lists without descriptions, were three brief memoirs published by the "Société Entomologique d'Egypte." In view of these circumstances the collection, of which the ensuing pages contain a list of the hitherto identified species, has been brought together in the course of the past four years with a view not so much to adding to the systematic knowledge of the fauna of the country as to assisting in economic work.

A well classified and identified collection is always essential as the basis for both economic and biological research, since without having a name for an insect by which it can always be recognized, it is practically impossible either to benefit from the knowledge that other workers have obtained about it or to pass on to them the knowledge that one obtains oneself. Of course, in the making of a large collection, large numbers of species of no importance to the agriculturist are sure to be dealt with. Of the 154 families mentioned in the following list, however, about 100 include species of economic interest, and it is always useful to know something about the relatives of a dangerous or a useful insect. Again, it is often almost as necessary to be able to say definitely that a certain insect is not, and is not likely to become, of economic importance as to be able to say that

another is. And this can only be done by having a fairly complete knowledge of the insects of the country.

One of the most important reasons for working up the fauna, however, is in connection with the importation of insect pests. For instance, Durrant, writing on "Tineina bred from Cotton Bolls" in the "Bulletin of Entomological Research," August 1912, upholds the idea that the pink boll worm was imported into India from Egypt, the exact reverse of the actual fact, and the information which was then available led Dudgeon, in his article on "The Pink Boll Worm" in the "Agricultural Journal of Egypt," 1912, to express the opinion that it had occurred in Egypt for many years, whereas it is now fairly certain that it has been imported between 1903 and 1910. Neither of these mistakes would have been made if the Lepidoptera of the country had previously been properly worked up. If the pink boll worm had been discovered in the original consignments of Indian cotton which brought it to the country, nothing would have been done to prevent its entry if such opinions as the above were possible, whereas if the distribution and history of the pink boll worm had been known as it is now, steps might very easily have been taken to prevent the calamity that the importation of this pest has proved to be. On the other hand, if the fauna of the country is not properly known, much trouble and expense may be spent on trying to keep out of the country an insect which is a dangerous pest elsewhere, but which as a matter of fact may be already present, occurring in small numbers only, being kept under control by an unfavourable climate or other natural agents.

For much assistance in the identification of the species in the following list we must express our gratitude particularly to the Imperial Bureau of Entomology and also to the following specialists:—

Orthoptera : La Baume.

Hymenoptera : R. du Buysson, G. Meade-Waldo, Rev. F. D.

Morice, C. Morley, R. E. Turner, Prof. Gy. Szépligeti.

Coleoptera : Several local entomologists, particularly G. Ferrante and A. Alfieri.

Lepidoptera : J. H. Durrant, P. P. Graves.

Thysanoptera : C. B. Williams.

Diptera : Prof. Becker.

Rhynchota : W. L. Distant, A. L. Montandon, Prof. R. Newstead, Prof. Van Schouteden.

Many other insects have been identified with the aid of the available literature, amongst which may be mentioned :—

- ANDRÉ, ED. ... *Spécies des Hyménoptères d'Europe et d'Algérie.*
ANDRÉ, ERN. ... *Mémoires de la Société Entomologique d'Egypte—*
Mutillidæ.
DU BUYSSON... *Mémoires de la Société Entomologique d'Egypte—*
Chrysididæ.
FRIESE *Die Bienen Europa's.*
INNES *Mémoires de la Société Entomologique d'Egypte—*
Orthoptera, Part I.
KLUG *Symbolæ Physicæ.*
LETHIERRY and
SEVERIN... *Catalogue Général d'Hémiptères.*
NEWSTEAD ... *Monograph of the British Coccidæ.*
SAVIGNY ... *Figures dans la Description de l'Egypte.*
SCHMIEDEKNECHT *Opuscula Ichneumonologica.*
SEITZ *Macrolepidoptera of the Palæarctic Region.*
THEOBALD ... *Monograph of the Culicidæ of the World.*
WYTSMAN and
OTHERS ... *Genera Insectorum.*
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MINISTRY OF AGRICULTURE, EGYPT.

Bulletin No. 5.

(ENTOMOLOGICAL SECTION.)

LIST OF EGYPTIAN INSECTS IN THE COLLECTION
OF THE MINISTRY OF AGRICULTURE.

ORTHOPTERA.

FORFICULIDÆ.

Labidura riparia, PALL.

Kharga Oasis, Helwân, Ma'âdi, Giza,
Port Said.
March to October.

Labia minor, L.

Ma'âdi, Giza, El Qalag, Khanka.
March to October.

Forficula (?) lucasi, H. DOHRN.

Ma'âdi.

BLATTIDÆ.

Phyllodromia germanica, L.

Ma'âdi, Heliopolis, Ma'mûra.
All the year.

Phyllodromia supellectilium, SERV.

Abundant everywhere.
All the year.

Phyllodromia treitliana, WERNER.

Armant, Ma'âdi, Shûbra.
January.

Periplaneta americana, L.

Minia, Ma'âdi, Cairo.
All the year.

Periplaneta (?) tartara, SAUSS.

Ma'âdi.
May to August.

Stylopyga orientalis, L.

Common everywhere.
All the year.

Leucophæa surinamensis, F.

Cairo.
March.

Heterogamia ægyptiaca, L.

Ma'âdi, Cairo, Zagazig, Alexandria.
February to July.

Heterogamia ursina, BURM.

Ma'sâra, Giza, Abu Matânia, Edfina.
All the year.

MANTIDÆ.

Eremiaphila anubis, LEF.

Ma'âdi, Khanka.
February to July.

Eremiaphila khamsin, LEF.

Maidûm, Wâdi Hôf, Ma'âdi, Old
Suez Road, Mariût.
February to June.

Eremiaphila sabulosa, SAUSS.

Tel el Kebir.
February.

Eremiaphila savignyi, LEF.

Ma'âdi.
February to July.

Eremiaphila typhon, LEF.

Ma'âdi.
July.

Heteronytarsus ægyptiacus, LEF

Kharga Oasis.
February.

Sphodromantis bioculata, BURM.

Common everywhere.
All the year.

Mantis religiosa, L.

Ma'âdi.
All the year.

Miomantis savignyi, SAUSS.

Fayûm, Ma'âdi, Cairo.
All the year.

Iris oratoria, L.

Ma'âdi, Mariût.
October to December.

Fischeria baetica, RAMB.

Cairo, Khanka.
May.

Empusa egena, CHARP.

Ma'âdi, Cairo.
May to September.

Blepharis mendica, F.

Ma'âdi, Cairo, Abu Matânia.
March to July.

Ameles ægyptiaca, WERNER.

Wâdi Hôf.
November to March.

GRYLLIDÆ.

Gryllotalpa vulgaris, LATR.

Abundant everywhere.
All the year.

Var. **cophtha**, DE HAAN.

Minia and Cairo.

Tridactylus variegatus, LATR.

Girga, Tura, Ma'âdi, 'Ezbet el Nakhl.
April to September.

Gryllus bimaculatus, DE GEER.

Common everywhere.
All the year.

Gryllus burdigalensis, LATR.

Qena, Assiût, Giza, Ma'âdi, Alfia,
Mina el Qamh.
All the year.

Gryllus campestris, L.

Qena.
June.

Gryllus domesticus, L.

Abundant everywhere.
All the year.

Oecanthus pellucens, SCOP.

Sheikh Fadl, Maghâgha, Ma'âdi, Alfia.
June to November.

Three spp. unidentified.

LOCUSTIDÆ.

Phaneroptera minima, BR.

Ma'âdi, Nawa, Edfina.
July to October.

Diogena fausta, BURM.

Cairo.

Xiphidium æthiopicum, THBG.

Faraskûr, Edfina.
September to October.

Conocephalus mandibularis, CHARP.

Ma'âdi, Alfia, Mariût.
July to October.

Metrioptera intermedia, SERV.

Fayûm, Mansuriâ.
April and May.

ACRIDIDÆ.

Paratettix meridionalis, RAMB.

Widely distributed.
All the year.

Tryxalis unguiculata, RAMB.

Common everywhere.
All the year.

Tryxalis turrita, L.

Ma'âdi, Sidi Ghâzi, Faraskûr.
July to November.

Oxycoryphus compressicornis, LATR.

Abundant everywhere.
All the year.

Duronia (?) fracta, KRAUSS.

Fayûm, Suez, Moqattam Hills, Marg,
Râs el Bar.
January to July.

Ochrilidia tibialis, FIEB.

Ma'sâra, Ma'âdi, 'Ezbet el Nakhl,
Suez, Abu Qir.
March to July.

Stauronotus(?) genei, OCSK.

Mariût.

May.

Epacromia strepens, LATR.

Ma'âdi, Giza, Râs el Khalig.

All the year.

Epacromia thalassina, F.

Abundant everywhere.

Throughout the year.

Aelopus probably n. sp.

Dakhla Oasis.

Sphingonotus cærulans, L.

Widely distributed

March to November.

Sphingonotus azurescens, RAMB.

Baltim, Abu Qir, Mariût.

May to July.

Sphingonotus(?) lameerei, FINOT.

Ma'sâra.

April to July.

Sphingonotus octofasciatus, SERV.

Ma'âdi.

September.

Sphingonotus savignyi, SAUSS.

Mazghûna, Wâdi Hôf, Ma'âdi, Heliopolis.

May to September.

Sphingonotus niloticus, SAUSS.

Helwân, Ma'sâra, Ma'âdi, Heliopolis, Khanka.

April to October.

Var. **picta**, WERNER.

Ma'sâra.

Leptopternis rhamses, SAUSS.

Mazghûna.

May.

Leptosirtus linearis, BURM.

Ma'sâra, Shûbra, Heliopolis.

March to October.

Acrotylus patruelis, STURM.

Abundant everywhere.

All the year.

Oedipoda gratiosa, SERV.

Mariût, Abu Qir.

May to November.

Pachytylus danicus, L.

Common everywhere.

All the year.

Eremobia(?) carinata, F.

Wâdi Hôf, Heliopolis.

April and September.

Tmethis cisti, F.

Mariût, Mex, Abu Qir.

May and June.

Pyrgomorpha gylloides, LATR.

Common everywhere.

All the year.

Chrotogonus lugubris, BLANCH.

Abundant everywhere.

All the year.

Chrotogonus scudderi, BOL.

Fayûm, Saqqâra, Ma'âdi, Suez.

February to July.

Poecilocerus bufonius, KLUG.

Wâdi Hôf.

April.

Pamphagus zebratus, BRUNN.

Old Suez Road, Mariût.

April and November.

Dericorys albidula, SERV.

Ma'sâra, Old Suez Road.

April.

Dericorys(?) millieri, BONNET and FINOT.

Râs el Bar.

July.

Opsomala cylindrica, MARSCH.

Suez.

July.

Acridium ægyptium, L.

Abundant everywhere.

All the year.

Schistocerca peregrina, OLIV.

Abundant everywhere, some years.

Caloptenus italicus, L.

Maghâgha, Fayûm, Barrage, Kafr el Sheikh.

May to July.

Thisoicetrus littoralis, RAMB.

Abundant everywhere.

All the year.

Thisoicetrus (?) adpersus, REDT.

Sidi Ghâzi.

November.

Euprepocnemis plorans, CHARP.

Abundant everywhere.

All the year.

NEUROPTERA.

(*Sensu lato.*)

MALLOPHAGA.

Goniocotes compar, NITSCH.

Ma'âdi.

Lipeurus baculus, NITSCH.

Ma'âdi.

Two spp. unidentified.

EMBIIDÆ.

Embia sp.

Maghâgha, Ma'âdi, Giza, Shûbra.

All the year.

Embia sp.

Itâi el Barûd.

April.

TERMITIDÆ.

Hodotermes ochraceus, BURM.

Tel el Kebir, Delingât, Alexandria, Mariût.

September to February.

Calotermes (?) maroccoensis, SJÖST.

Shûbra.

April (♂).

Psammotermes hybostoma, DESN.

Wâdi Hôf.

April.

PSOCIDÆ.

Two spp. unidentified.

ÆSCHNIDÆ.

Hemianax ephippiger, BURM.

Siwa Oasis, Giza, Ma'âdi, Suez.

April to November.

Onychogomphus pumilio, RAMB.

Widely distributed.

May to July.

LIBELLULIDÆ.

Brachythemis leucosticta, BURM.

Widely distributed.

May to September.

Trithemis annulata, P. DE B.

Common everywhere.

All the year.

Crocothemis erythræa, BRULLÉ.

Abundant everywhere.

All the year.

Diplacodes lefebvrei, RAMB.

Kharga Oasis, Nag' Hamâdi, Ma'âdi, Suez.

July to September.

Orthetrum trinacria, SÉLYS.

Siwa Oasis, Beni Mazâr, Suez, Faraskûr.

June to November.

Orthetrum chrysostigma, BURM.

Kharga Oasis, Giza, Suez.

July to September.

Orthetrum farinosum, FÖRST.

Ma'âdi, Alexandria.

June and July.

Orthetrum sabina, DRURY.

Suez.

July.

AGRIONIDÆ.

- Ischnura senegalensis**, RAMB.
Abundant everywhere.
April to October.
- Pseudagrion torridum**, SELYS.
Widely distributed.
March to September.
- Three spp. unidentified.

EPHEMERIDÆ.

- Five spp. unidentified.

MYRMELEONIDÆ.

- Helicomitus barbarus**, L.
Alexandria, Barrage.
July.
- Myrmeleon cephalotes**, KLUG.
Wâdi Hôf, Heliopolis, Tel el Kebir.
August and September.
- Myrmeleon hyalinus**, OL.
Widely distributed.
April to July.
- Myrmeleon murinus**, KLUG.
Common everywhere.
April to September.
- Myrmeleon tenellus**, KLUG.
Ma'âdi, Suez.
June to September.

Myrmecaelurus lætus, KLUG.

- Ma'âdi, Barrage.
May to October.

Nesoleon invisus, NAVAS.

- Ma'âdi, 'Ein el Shams, Mariût.
May to October.

Creagris cinerascens, NAVAS.

- Ma'âdi, Suez, Mallaha, Mariût.
April to August.

- Five spp. unidentified.

NEMOPTERIDÆ.

Nemoptera sp.

- Maghâgha, Ma'âdi.
June and July.

MANTISPIDÆ.

Mantispa sp.

- Ma'âdi.
June to October.

HEMEROBIDÆ.

Chrysopa vulgaris, SCHN.

- Abundant everywhere.
All the year.

Hemerobius sp.

- Ma'âdi.
March.

PHYRGANEIDÆ.

- Two spp. unidentified.

HYMENOPTERA.

TENTHREDINIDÆ.

- Allantus syriacus**, ANDRÉ.
Wâdi Hôf.
March.

CEPHIDÆ.

- Cephus tabidus**, F.
'Ezbet el Nakhl, El Qalag.
March.

SIRICIDÆ.

- Sirex gigas**, L.
Cairo.
April and May.

CHALCIDIDÆ.

Sycophaga sycomori, LOW.

- Common everywhere.
January to February and again in
August and September.

Philotrypesis ficus caricæ, WESTW.

- Giza.
January.

Leucospis miniata, KLUG.

- Sennâres.
June.

Leucospis sp.

- Mariût.
May.

Chalcis brevicornis, KLUG.

Widely distributed.

March to July.

Chalcis pubescens, KLUG.

Embâba, Cairo.

June to August.

Chalcis unicolor, RAD.

Marg.

September.

Chalcis sp.

Roda.

August.

Dirhinus excavatus, DALMAN.

Roda, Sennûres.

May and August.

Podagrion pachymerum, WALK.

Ma'âdi, Shûbra.

June and August.

Cheipachys colon, L.

Shibin el Qanâter.

November and December.

Pteromalus sp.

Kharga Oasis.

September to November.

Eurytoma, three spp. unidentified.

Isosoma sp.

Tura.

February.

Seventeen spp. unidentified.

EVANIIDÆ.

Evania appendigaster, L.

Cairo and district, Alexandria.

June to September.

Evania dimidiata, F.

Ma'âdi, Benha, Barrage, Faraskûr.

July to September.

Gasteruption (?) **granulithorax**,

TOURN.

Egypt.

BRACONIDÆ.

Vipio desertor, F.

Ma'âdi, 'Ezbet el Nakhl, Alexandria.

May to August.

Vipio sp. nr. **contractor**, NEES.

Mariût.

March.

Vipio sp.

Ma'mûra.

June.

Bracon fastidiator, F.

Cairo, Edfina.

June and November.

Bracon pectoralis, WESM.

Mazghûna, 'Ezbet el Nakhl, Barrage.

May.

Rogas kitcheneri, DUDGEON and

GOUGH.

Widely distributed.

July to January.

Sigalphus thoracicus, CURTIS.

'Ezbet el Nakhl.

May.

Chelonella sulcata, NEES.

Widely distributed.

November and December.

Apanteles ruficrus, HALIDAY.

Cairo, Shûbra, Tanta, Zagazig.

April, May, and December.

Apanteles sp. (?) **hoplites**, RATZ.

Shibin el Kôm, Kafr el Dawâr.

October and November.

Microplites sp. nr. **ocellatæ**, BOUCHÉ.

Nawa.

April.

Microplites sp.

Kafr el Dawâr.

July.

Agathis tibialis, NEES.

Mahalla el Kubra.

November.

Aphidius brassicæ, MARSH.

Damanhûr.

April.

Zelee nigricornis, WALK.

Minia, Tura, Ma'âdi, Qaliûb, Suez.

March to November.

Seven spp. unidentified.

ICHNEUMONIDÆ.

- Cryptus hannibal**, SCHMIED.
Mariūt.
Mareh.
- Cryptus sponsor**, F.
Fayûm, Ma'adi.
May and October.
- Cryptus** sp. nr. **atripes**, GRAY.
Sidi Sâlem, Râs el Bar, Mex.
May to July.
- Cryptus bovei**, BRULLÉ.
Giza.
- Mesostenus hilarulus**, Tosq.
Ma'âdi, 'Ezbet el Nakhl, Marg,
Barrage.
March to July.
- Pimpla ægyptiaca**, SCHMIED.
'Ezbet el Nakhl.
March.
- Pimpla ephippium**, BRULLÉ.
Giza.
- Pimpla roborator**, F.
Abundant everywhere.
November to June.
- Pimpla spuria**, GRAY.
Shûbra.
January.
- Syzeuctus heluanensis**, SCHMIED.
Cairo.
- Ephialtes** (?) **manifestator**, L.
Cairo.
July.
- Bassus lætatorius**, F.
Abu Tig, Ma'âdi, Giza, Shûbra,
'Ezbet el Nakhl, El Qalag.
December to May.
- Allocamptus undulatus**, GRAY.
Wâdi Hôf.
May.
- Henicospilus repentinus**, HLMGR.
Ma'âdi.
March to June.
- Ophion** sp. nr. **turcomanicus**, SZÉPL.
Giza.

- Nototrachys foliator**, F.
Widely distributed.
April to October.
- Barylypa humeralis**, BRAUNS.
Sheikh Fadl, Ma'âdi, Moqâttam Hills,
Sidi Ghâzi, Biela, Montaza.
June and July.
- Barylypa rufa**, HLMGR.
Ma'âdi.
September.
- Eulimneria** sp. nr. **xanthostoma**, GRAY.
'Ein el Shams, 'Ezbet el Nakhl, El
Qalag.
March and April.
- Canidia subcincta**, GRAY.
'Ezbet el Nakhl.
March.
- Angitia** (?) **chrysostictæ**, GMEL.
Mariūt.
March.
- Angitia** sp. nr. **interrupta**, HLMGR.
Minia, Fayûm, Mazghûna, Daman-
hûr, Sakha, Sidi Ghâzi, Baltim.
November to April.
- Angitia** sp. nr. **polyzona**, THOMS.
Mazghûna, Shûbra, 'Cairo, Mataria,
Alexandria.
May to November.
- Anilastus försteri**, TSCHER.
Kharga Oasis, Wâdi Hôf, Ma'âdi.
February to April.
- Exetastes syriacus**, SCHMIED.
Ma'âdi.
November.
- Pristomerus pallidus**, THOMS.
Giza.
November.
- Pristomerus vulnerator**, PANZ.
Ma'âdi.
April.
- Cremastus venustulus**, Tosq.
Giza, Cairo.
May and October.
- One sp. unidentified.

CHRYSIDIDÆ.

- Philoctetes deflexus**, ABEILLE.
Cairo, 'Ezbet el Nakhl, El Qalag,
Barrage.
March to May.
- Holopyga gloriosa**, F.
Var. **viridis**, GUÉR.
'Ezbet el Nakhl.
March.
- Hedychridium aheneum**, DAHLB.
Var. **virescens**, BUYSS.
Cairo.
May.
- Hedychrum rutilans**, DAHLB.
'Ezbet el Nakhl.
May.
- Hedychrum cœlestinum**, SPIN.
Common everywhere.
January to July.
- Chrysis chakouri**, BUYSS.
Saqqâra.
May.
- Chrysis scioensis**, GRIB.
Cairo, Ma'âdi, Suez, Sakha.
June to October.
- Chrysis blanchardi**, LUCAS.
'Ezbet el Nakhl.
March.
- Chrysis communis**, WALK.
Ma'âdi.
December.
- Chrysis ehrenbergi**, DAHLB.
'Ezbet el Nakhl, Ma'sâra.
March and July.
- Chrysis episcopalis**, SPIN.
Ma'âdi, Saqqâra.
April and May.
Var. **nomima**, BUYSS.
Ma'âdi, Saqqâra.
- Chrysis fasciolata**, KLUG.
Ma'âdi, Suez, Râs el Khalig, Nag' Hamâdi.
April to September.
- Chrysis friesei**, BUYSS.
'Ezbet el Nakhl.
May.

Chrysis fuscipennis, BRULLÉ.

- Cairo.
May.
- Chrysis ignita**, L.
Mariût.
March.
- Chrysis laetabilis**, BUYSS.
Marg, 'Ezbet el Nakhl, Ma'sâra.
March to May.
- Chrysis taczanovskyi**, RAD.
Barrage.
July.
- Chrysis xanthocera**, KLUG.
Ma'âdi, Kharga Oasis.
April and September.
- Chrysis inops**, GRIB.
Suez, Ma'âdi, Barrage.
June to September.
- Chrysis lyncæa**, F.
Cairo and district, Benha, Alfia, Barrage, Qorashia, Faraskûr.
June to October.
- Chrysis stilboides**, SPIN.
Cairo and district, El Rieo, Alfia.
March to October.
- Chrysis (?) jousseamei**, BUYSS.
Barrage.
July.
- Chrysis**, two spp. unidentified.
- Stilbum splendidum**, F.
Abundant everywhere.
Throughout the year.
Var. **amethystinum**, F.
Ma'âdi, Ma'sâra, Saqqâra, Alfia.
- Parnopes viridis**, BRULLÉ.
Saqqâra.
May.

FORMICIDÆ.

Camponotus maculatus, F.

- Abundant everywhere.
Throughout the year.
Winged ♂♂ and ♀♀ chiefly in
June and July.

Myrmecocystus albicans, ROGER.

Ma'sâra.

April.

Myrmecocystus viaticus, F.

Abundant everywhere.

Throughout the year.

Winged ♂♂ and ♀♀ from March to June.

Myrmecocystus bombycinus, ROGER.

Common in the desert at Giza, Wasta, Kharga Oasis, Khanka, and Old Suez Road.

Formica fusca, L.

Cairo, 'Ezbet el Nakhl, Marg, El Qalag.

Winged ♂♂ in March.

Prenolepis longicornis, LATR.

Cairo.

Prenolepis vividula, NYL.

Ma'âdi, Tura, Marg, abundant.

Winged ♂♂ and ♀♀ January to May.

Lasius niger, L.

Wâdi Gendâli.

February.

Tapinoma erraticum, LATR.

Mariût.

March.

Dorylus oraniensis, LUCAS.

Mariût.

March.

♂♂ (*Dorylus juvenculus*, Schuck.), Alexandria, July to September.

Monomorium subopacum, SM.

Ma'âdi.

Winged ♂♂ and ♀♀ in March and April.

Monomorium minutum, MAYR.

Ma'âdi, Wâdi Hôf.

Winged ♂♂ and ♀♀ in February.

Monomorium niloticum, EM.

Ma'âdi.

Winged ♂♂ and ♀♀ in April.

Cremastogaster scutellaris, OL.

Var. *laestrygon*, EM.

Sixth Tower, Old Suez Road.

November.

Leptothorax angulatus, MAYR.

Cairo.

April.

Aphænogaster arenaria, F.

Abundant everywhere.

Winged ♂♂ and ♀♀ from October to December.

Aphænogaster barbara, L.

Var. *ægyptiaca*, EM.

Alexandria, Nawa, Giza, Fayûm.

Aphænogaster rufotestacea, FÖRST.

Wâdi Hôf.

April.

Pheidole megacephala, F.

Mariût, 'Ezbet el Nakhl, Ma'âdi.

Winged ♂♂ and ♀♀ from April to July.

Three spp. unidentified.

MUTILLIDÆ.

Apterogyna klugi, ANDRÉ.

Cairo.

Apterogyna savignyi, KLUG.

Ma'âdi, Beni Suef.

May and December.

Ephutomma bicolor, OL.

Ma'âdi.

October.

Ephutomma biskrensis, ANDRÉ.

Ma'âdi, Ma'sâra, Giza, 'Ein el Shams, El Qalag.

August to October.

Ephutomma continua, F.

Giza, 'Ein el Shams, El Qalag.

August to October.

Myrmilla sp.

Mariût.

March.

Mutilla arsinoensis, ANDRÉ.

Ma'âdi.

October.

- Mutilla barbara**, L.
 Var. **maculosa**, OL.
 Mariût, Margheb.
 March to November.
- Mutilla interrupta**, OL.
 Common everywhere.
 Throughout the year.
- Mutilla maroccana**, OL.
 Baltîm.
 July.
- Mutilla montana**, PANZ.
 Ma'âdi.
 May.
- Mutilla partita**, KLUG.
 Var. **obscurithorax**, ANDRÉ.
 Mariût.
 Mareh.
- Mutilla rufipes**, F.
 Ma'âdi.
 Throughout the year.
- Mutilla signata**, KLUG.
 Ma'âdi.
 November.
- Mutilla subcomata**, WESM.
 Ma'âdi, Kharga Oasis.
 February to May.
- Dasylabris arabica**, OL.
 Widely distributed.
 May to August.
- Dasylabris maura**, L.
 Kharga Oasis.
 February.
- Var. **arenaria**, F.
 Saqqâra, 'Ein el Shams, Râs el Bar.
 March to July.

SCOLIDÆ.

- Myzine zonata**, GUÉR.
 Common everywhere.
 February to September.
- Myzine** sp. nr. **mogadorensis**, TURN.
 Mariût.
 May to July.

- Myzine**, two spp. unidentified.
- Dielis collaris**, F.
 Abundant everywhere.
 Throughout the year.
- Dielis hyalina**, KLUG.
 Ma'âdi, Giza.
 December and January.
- Scolia bidens**, L.
 Mariût.
 Mareh.
- Scolia ciliata**, F.
 Mariût.
 Mareh.
- Scolia erythrocephala**, F.
 Abundant everywhere.
 April to November.
- Scolia interstincta**, KLUG.
 Common everywhere.
 March to June.
- Scolia maura**, F.
 Common everywhere.
 March to June.
- Scolia mendica**, KLUG.
 Common everywhere.
 April to June.
- Scolia unifasciata**, CYRILLO.
 Common everywhere.
 April to June.

POMPIDIDÆ.

- Pompilus atrohirtus**, KOHL.
 Widely distributed.
 November to May.
- Pompilus cingulatus**, DAHLB.
 Ma'âdi.
 September.
- Pompilus dispar**, DAHLB.
 Abundant everywhere.
 Throughout the year.
- Pompilus fertoni**, SAUND.
 Ma'âdi.
 May.

- Pompilus fuscus**, L.
Widely distributed.
Throughout the year.
- Pompilus gentilis**, KLUG.
Ma'âdi, Marg, Shûbra.
March to October.
- Pompilus (?) gracilis**, KLUG.
Ma'âdi, Moqattam Hills.
May.
- Pompilus melanurus**, KLUG.
Ma'âdi.
January.
- Pompilus melas**, KLUG.
Ma'âdi, Ma'sâra, Heliopolis.
April to September.
- Pompilus (?) nigrifulus**, KLUG.
Ma'sâra, Tura.
February, April, and October.
- Pompilus plumbeus**, F.
Ma'âdi.
June.
- Pompilus quadripunctatus**, F.
Mariût.
May to November.
- Pompilus ruficrus**, KLUG.
Widely distributed.
May to December.
- Pompilus rutilus**, KLUG.
Widely distributed.
May to September.
- Pompilus sericans**, KLUG.
Ma'âdi, Ma'sâra, Hamûl.
March to July.
- Pompilus (?) signatipennis**, KLUG.
Giza, Khanka.
May to August.
- Pompilus sugillatus**, KLUG.
Kafr el Dawâr, Sidi Ghâsi.
June and July.
- Pompilus umbrosus**, KLUG.
Maidûm, Ma'âdi, Abu Qir.
February to June.

- Pompilus vespiformis**, KLUG.
Kharga Oasis, Ma'sâra, Wâdi Hôf,
Ma'âdi, Faraskîr.
February to September.
- Pseudopompilus antonini**, COSTA.
Suez.
July.
- Salix croceicornis**, DEF.
Widely distributed.
Throughout the year.
- Thirteen spp. unidentified.

SPHEGIDÆ.

- Ammophila atrocyanea**, EVERSM.
Ma'âdi, El Qalag, Mariût.
March and April.
- Ammophila hirsuta**, SCOP.
Ma'sâra, 'Ein el Shams, Nawa.
February to April.
- Ammophila lutea**, TASCH.
Ma'âdi, Heliopolis.
April to July.
- Ammophila pœcilocnemis**, MORICE.
Widely distributed.
April to September.
- Ammophila tydei**, GUILL.
Abundant everywhere.
Throughout the year.
- Ammophila**, seven spp. unidentified.
- Parapsammophila monilicornis**,
MORICE, var.
Ma'âdi.
May.
- Sceliphron spirifex**, L.
Common everywhere.
Throughout the summer.
- Sceliphron violaceum**, F.
Widely distributed.
May to August.
- Sphex ægyptius**, LEP.
Everywhere.
April to October.

Sphex flavipennis, F.

Saqqâra.

May.

Sphex niveatus, DUF.

Ma'âdi, Moqattam Hills, Ma'sâra,
Suez.

April to August.

Sphex umbrosus, CHRIST.

Nag' Hamâdi, Ma'sâra, Ma'âdi, Tel el
Kebîr, Faraskûr.

April to October.

Sphex probably n. sp. nr. **splendidus**, F.

Ma'âdi, Ma'sâra.

November.

Sphex pruinosus, GERM.

Giza, Suez.

June to September.

Sphex, two spp. unidentified.

Philanthus coarctatus, SPIN.

Ma'âdi.

July to September.

Philanthus niloticus, SM.

Ma'âdi, 'Ezbet el Nakhl.

April to July.

Philanthus rutilans, SPIN.

Ma'âdi.

Mareh and April.

Philanthus triangulum, F.

Abundant everywhere.

Throughout the year.

Philanthus, three spp. unidentified.

Cerceris albicincta, KLUG.

Ma'âdi.

May.

Cerceris capito, LEP.

Common everywhere and very variable.

April to September.

Cerceris excellens, KLUG.

Mariût.

November.

Cerceris fasciata, LEP.

'Ein el Shams.

May.

Cerceris klugi, SCHLETT.

Widely distributed.

May to July.

Cerceris lutea, TASCH.

Ma'âdi, Giza, El Qalag.

May to August.

Cerceris nasuta, LEP.

Ma'âdi, 'Ezbet el Nakhl, 'Ein el
Shams, Abu Qîr, Mariût.

May to June.

Cerceris pallidula, MORICE.

Ma'âdi.

June.

Cerceris pulchella, KLUG.

Ma'âdi, El Qalag.

August.

Cerceris, three spp. unidentified.

Gorytes coarctatus, SPIN.

Nag' Hamâdi, Ma'âdi, Marg, Faraskûr.

June to September.

Palarus spinolæ, SAUSS.

Ma'âdi, Zeitûn, Giza.

May to August.

Crabro confinis, WALK.

Cairo, Ma'âdi, Marg, Giza.

All the year.

Trypoxylon attenuatum, SM.

Ma'âdi, Gezîra, Barrage, Hamûl, Râs
el Bar.

May to August.

Trypoxylon sp.

Ma'âdi, Tura.

May to December.

Stizus ægyptius, LEP.

Ma'âdi, Heliopolis.

April and May.

Stizus apicalis, KLUG.

Sidi Sâlem.

July.

Stizus bizonatus, SPIN.

Cairo and district, Qaliûb, Suez,
Abu Qîr.

May to September.

Stizus cheops, MORICE.

Cairo and district, Wâdi Rashîd,
Suez, Kafr el Dawâr.
April to September.

Stizus fuliginosus, KLUG.

Ma'âdi, Wasta, Fayûm, Wâdi Hôf.
March to May.

Stizus kohlii, MRCS.

Ma'âdi, Qubba, Heliopolis, Edkû.
April to August.

Stizus poecilopterus, HDL.

Suez.
July and August.

Stizus rapax, HDL.

Ma'âdi.
April and May.

Stizus succineus, KLUG.

Ma'âdi, Giza, Zeitûn, Mallaha.
May to July.

Stizus vespoides, WALK.

Wâdi Rashîd, Ma'âdi, Zeitûn, Heliopolis, El Qalag, Suez, Râs el Bar.
June to September.

Stizus, five spp. unidentified.

Bembex chlorotica, SPIN.

Ma'âdi, Saqqâra, Giza, Heliopolis, Khanka.
April to July.

Bembex dahlbomii, HDL.

Ma'âdi, Khanka, Râs el Bar.
May to July.

Bembex lusca, SPIN.

Ma'âdi, Tura, Giza, Suez, Mallaha, Alexandria.
April to September.

Bembex mediterranea, HDL.

Abundant everywhere.
May to August.

Bembex nasuta, MORICE.

Ma'âdi.
May.

Bembex oculata, LATR.

Nag' Hamâdi, Ma'âdi, Embaba, Barrage, Zagazig.
May to September.

Bembex portschinskii, RAD.

Saqqâra, Giza, Ma'âdi.
March to May.

Bembex radoskowskyi, HDL.

Ma'âdi.
June.

Bembex turca, DAHLB.

Edku, Edfina, Montâza, Mamûra, Mallaha, Abu Qîr, Alexandria.
June and July.

Miscophus ctenopus, KOHL.

Ma'sâra, Ma'âdi, Moqattam Hills, Heliopolis.
March to July.

Larra anathema, L.

Abundant everywhere.
May to November.

Liris hæmorrhoidalis, F.

Nag' Hamâdi, Abu Tig, Ma'âdi, Shûbra, Alfia, Faraskûr.
Throughout the year.

Notogonia memnonia, SM.

Cairo, Ma'âdi, Giza, Shûbra, Alfia.
Throughout the year.

Notogonia nigrata, LEP.

Ma'âdi, Mariût.
January to May.

Notogonia pompiliformis, PANZ.

Ma'âdi, Shûbra, 'Ezbet el Nakhl, Râs el Khalig, Faraskûr, Mariût.
All the year.

Notogonia n.sp. nr. **argyropyga**, COSTA.

Ma'âdi, Heliopolis.
January and September.

Notogonia, one sp. unidentified.

Pison xanthopus, BRULLÉ.

Ma'âdi, Gezîra, Suez, Sakha.
June to October.

Tachytes ambidens, KOHL.

Ma'âdi.
July.

Tachytes cameroniana, MORICE.

Ma'âdi, Giza, Alexandria.
June to July.

Tachysphex ægyptiacus, MORICE.

Ma'âdi.

December.

Tachysphex nitidus, SPIN.

Ma'âdi, Faraskûr.

April to September.

Tachysphex panzeri, v.d. LIND.

Ma'âdi, Heliopolis, Khanka, Mariût.

April to July.

Tachysphex vestitus, KOHL.

Ma'âdi, Heliopolis, Old Suez Road.

April and May.

Tachysphex, seven spp. unidentified.

EUMENIDÆ.

Eumenes dimidiatipennis, SAUSS.

Ma'âdi.

May.

Eumenes gracilis, SAUSS.

Fayûm, Ma'âdi, Giza, Marg, Suez.

Throughout the year.

Eumenes maxillosa, F.

Abundant everywhere.

Throughout the year.

Eumenes nigra, BRULLÉ.

Ma'sâra, Ma'âdi, Mariût.

Mareh to May.

Eumenes pomiformis, ROSSI.

Abundant everywhere.

Throughout the year.

Eumenes unguicula, VILLERS.

Ma'âdi.

May.

Rhynchium cyanopterus, SAUSS.

Ma'âdi, Giza, El Qalag, Faraskûr,

Damietta.

May to September.

Rhynchium oculatum, F.

Common everywhere.

May to November.

Odynerus alexandrinus, SAUSS.

Sennûres, Ma'âdi, 'Ezbet el Nakhl,

Tûkh, Zagazîg, Mariût.

January to Mareh.

Odynerus biphaleratus, SAUSS.

Tura, Ma'âdi.

February to April.

Odynerus (?) blanchardianus, SAUSS.

Ma'sâra, Ma'âdi, Marg, Heliopolis.

April to September.

Odynerus chloroticus, SPIN.

Kharga Oasis, Saqqâra, Giza, Ma'âdi,

Suez.

May to September.

Odynerus dantici, ROSSI.

Giza, Suez, Edku, Ma'mûra, Alex-

andria, Mariût.

April to August.

Odynerus floricola, SAUSS.

Ma'âdi, 'Ein el Shams, Barrage, Qaha.

Throughout the year.

Odynerus notula, LEP.

Mariût.

Mareh.

Odynerus parietum, L.

Kharga Oasis, Shûbra, 'Ezbet el

Nakhl, 'Ein el Shams, Marg, Sidi

Sâlem, Alexandria.

Mareh to September.

Odynerus sessilis, SAUSS.

Ma'âdi.

Mareh.

Odynerus, seven spp. unidentified.

MASARIDÆ.

Masaris vespiformis, F.

Mazghûna.

May.

Celonites fischeri, SPIN.

'Ezbet el Nakhl.

May.

Celonites sp.

Wâdi Hôf.

April.

Two spp. unidentified.

VESPIDÆ.

Polistes gallica, L.

Abundant everywhere.
Throughout the year.

Vespa orientalis, F.

Abundant everywhere.
Throughout the year.

COLLETIDÆ.

Colletes balteata, NYL.

Abundant everywhere.
Throughout the year.

Colletes braccata, PEREZ.

Abu Tig.
April.

Colletes eatoni, MORICE.

Cairo and district, Barrage, Sidi
Sâlem, Alexandria.
February to July.

Colletes nana, MORICE.

Wâdi Hôf, Ma'âdi, Ma'sâra, 'Ezbet el
Nakhl.
December to May.

Colletes, three spp. unidentified.

APIDÆ.

Sphecodes fumipennis, GERM.

Ma'âdi.
February.

Sphecodes spinulosus, v. HAGEN.

Abundant everywhere.
February to September.

Sphecodes, two spp. unidentified.

Melitta schmiedeknechti, FRIESE.

Abu Tig, Girga, Giza, Ma'âdi, Zeitûn.
February to May.

Melitta leporina, KLUG.

Ma'âdi, Zeitûn.
January to May.

Melitta sp.

Mariût.
March.

Andrena afzeliella, KIRBY.

Abundant everywhere.
February to May.

Andrena bipartita, LEP.

Ma'âdi, Giza.
February to March.

Andrena (?) croceiventris, MOR.

Ma'âdi, 'Ezbet el Nakhl, Mariût.
March.

Andrena fulvicrus, KIRBY.

Abundant everywhere.
February to June.

Andrena morio, BRULLÉ.

Common everywhere.
February to June.

Andrena thoracica, F.

Mariût.
March.

Andrena turcestanica, MOR.

Fayûm, Giza, Tura, Ma'âdi.
February to April.

Andrena vetula, LEP.

Badresheim, Giza, Ma'âdi.
March.

Andrena, fourteen spp. unidentified.

Halictus (?) carneiventris, DOURS.

Ma'sara, Ma'âdi, Embâba, Mallaha,
Alexandria.
April to July.

Halictus quadristrigatus, LATR.

Abundant everywhere.
March to July.

Halictus scabiosæ, SPIN.

Abundant everywhere.
March to August.

Halictus tumulorum, L.

Widely distributed.
February to July.

Nomia ruficornis, L.

Abundant everywhere.
May to September.

Nomioides squamigera, E. SAUNDERS.

Khanka, Qaliûb.
May to July.

Nomioides variegata, OLIV.

Abundant everywhere.

February to September.

Nomioides sp.

Qaliûb.

July.

Nomada fucata, PANZ.

Widely distributed.

February to June.

Nomada lathburiana, KIRBY.

Ma'âdi.

February.

Nomada, four spp. unidentified.

Osmia decem-signata, RAD.

Widely distributed.

March to July.

Osmia derasa, PEREZ.

Mariût.

March.

Osmia latreillei, SPIN.

Abu Tig, Giza, Ma'âdi, Sakha.

Mariût.

March to May.

Osmia punica, PEREZ.

Mariût.

March.

Osmia rufa, PANZ.

Giza, Ma'âdi, Nawa.

February and March.

Osmia sp.

Mariût.

March.

Ammobates oraniensis, LEP.

Mariût.

March.

Stelis cassiopæa, SAUND.

Mariût.

March.

Stelis sp.

Ma'âdi.

April.

Anthidium afrum, LEP.

Saqqâra.

May.

Anthidium echinatum, KLUG.

Ma'âdi, Wâdi Rashîd.

February to April.

Anthidium ferrugineum, F.

Var. *thoracicum*, KLUG.

Widely distributed.

April to August.

Anthidium cinctum, KLUG.

(Probably var. of *ferrugineum*).

Ma'âdi.

August.

Anthidium (?) *latreillei*, LEP.

Ma'âdi.

April.

Anthidium tessellatum, KLUG.

Ein el Shams.

May.

Prosopis dinkleri, FRIESE.

Cairo, Ma'âdi, Giza, Sidi Sâlem.

March to July.

Ceratina tarsata, MOR.

Widely distributed.

April to September.

Megachile argentata, F.

Abundant everywhere.

March to September.

Megachile chrysurus, FONSEC.

Embâba, Zeitûn, Ezbet el Nakhl,

Barrage, Zagazig.

May to June.

Megachile flavipes, SPIN.

Abundant everywhere.

March to September.

Megachile mucorea, FRIESE.

Widely distributed.

March to July.

Megachile muraria, L.

Mariût.

March.

Megachile nasidens, FRIESE.

Mariût, Wâdi Hôf.

February to June.

Megachile sicula, ROSSI.

Abundant everywhere.

January to March.

Megachile, six spp. unidentified.

Eriades rubicolus, PEREZ.

Widely distributed.

April to October.

Coelioxys erythrura, SPIN.

Saqqâra.

May.

Coelioxys farinosa, SM.

Widely distributed.

March to September.

Coelioxys hæmorrhœa, FÖRST.

Widely distributed.

March to September.

Paracoelioxys rufiventris, SPIN.

Ma'âdi, 'Ezbet el Nakhl.

March to May.

Crocisa quadridentata, E. SAUNDERS.

Ma'âdi.

May to August.

Crocisa ramosa, LEP.

Widely distributed.

March to September.

Crocisa scutellaris, F.

Saqqâra, Giza, Ma'âdi.

All the year.

Crocisa sp.

Giza.

May.

Melecta grandis, LEP.

Widely distributed.

December to April.

Melecta luctuosa, SCOP.

Ma'âdi, Giza, Heliopolis.

February and March.

Eucera affinis, SPIN.

Ma'âdi.

February.

Eucera algira, LEP.

Ma'âdi.

February.

Eucera alternans, BRULLÉ.

Mariût.

March.

Eucera atrata, KLUG.

Mariût.

March.

Eucera cuniculina, KLUG.

Ma'âdi.

March and April.

Eucera discoidalis, MOR.

Ma'âdi, Giza, Mariût.

February to March.

Eucera grisea, F.

Mariût.

March.

Eucera malvæ, ROSSI.

Ma'âdi.

March.

Eucera sp. nr. **metallescens**, MOR.

Ma'sâra, Ma'âdi, Embâba.

April to June.

Eucera nigrilabris, LEP.

Fayûm, Ma'âdi, Mariût.

January to March.

Eucera ruficollis, BRULLÉ.

Fayûm, Ma'âdi, Nawa, Benha.

November to March.

Eucera thoracica, SPIN.

Mariût.

March.

Eucera (?) **tristis**, MOR.

Mariût.

March.

Eucera (?) **trivittata**, BRULLÉ.

Mariût.

March.

Eucera, two spp. unidentified.

Anthophora agama, RAD.

Mariût.

March.

Anthophora albigena, LEP.

Widely distributed.

February to September.

Anthophora albosignata, FRIESE.

Mariût.

March.

Anthophora atriceps, PEREZ.

Mariût.

Mareh.

Anthophora atricillus, EVERSM.

Mex, Mamûra.

May and June.

Anthophora atroalba, LEP.

Mariût.

Mareh.

Anthophora biciliata, LEP.

Ma'âdi, Wâdi Rashid.

February to April.

Anthophora bicincta, F.

Var. *vidua*, KLUG.

Saqqâra.

May.

Anthophora byssina, KLUG.

Wâdi Rashid, Ma'sâra, Ma'âdi, Giza,
Heliopolis, Khanka.

April to August.

Anthophora sp. nr. *calcarata*, LEP.

Wâdi Hôf.

January.

Anthophora dispar, LEP.

Ma'âdi, Giza, Nawa, Mariût.

December to March.

Anthophora erubescens, LEP.

Ma'âdi.

May.

Anthophora fulvitaris, FRIESE.

Common everywhere.

January to March.

Anthophora hispanica, EVERSM.

Ma'âdi, Mariût.

Mareh and April.

Anthophora mucorea, KLUG.

Qubba, Marg, Khanka, Damietta.

May to September.

Anthophora nigrocincta, LEP.

Ma'âdi, Giza, Nawa.

December to March.

Anthophora quadrifasciata, VILLERS.

Abundant everywhere.

March to September.

Anthophora retusa, L.

Common everywhere.

November to March.

Anthophora (?) salviæ, MOR.

Wâdi Hôf.

January.

Anthophora tenella, KLUG.

Ma'âdi, Bedreshein.

Mareh to July.

Anthophora (?) vulpina, PEREZ.

Wâdi Hôf.

January.

Anthophora sp.

Ma'âdi, Wâdi Hôf.

January to April.

Xylocopa æstuans, L.

Abundant everywhere.

Throughout the year.

Melipona sp. unidentified.

Widely distributed.

March to October.

Apis mellifica, L.

Var. *fasciata*, LATR.

The Egyptian honey-bee.

COLEOPTERA.

CICINDELIDÆ.

Cicindela flexuosa, F.

Ma'âdi, El Qalag, Khanka, Edfina.

March to June.

Cicindela aulica, DEJ.

Ma'âdi, Tura, Helwân, Suez, Hamûl,

Edku, Râs el Bar, Siwa Oasis.

June to October.

Cicindela nilotica, DEJ.

Tura, Ma'âdi.

July to October.

Cicindela melancholica, F.

Ma'âdi, Zagazig, Mariût.

July.

Cicindela littorea, FORSK.

Edku.

June.

Tetracha euphratica, LATR.

Fayûm, Helwân, Giza.

April and May.

Var. **nigra**, W. HORN.

Cairo.

September.

CARABIDÆ.

Calosoma olivieri, DEJ.

Ma'âdi.

May.

Calosoma rugosum, DE GEER.

Kharga Oasis, Ma'âdi, Giza, Benha.

February to July.

Scarites striatus, DEJ.

Ma'âdi.

April to July.

Scarites eurytus, FISC.

Alexandria.

Scarites planus, BON.

Tura, Ma'âdi.

March and April.

Dyschirius sp.

Tura, Marg.

February to March.

Anthia sexmaculata, F.

Khauka.

April.

Graphipterus serrator, FORSK.

Helwân, Mazghûna, Giza, 'Ein el

Shams. Marg, Khanka, Tel el

Kebir.

February to June.

Broscus lævigatus, DEJ.

Mariût.

November.

Bembidium varium, OL.

Tura, Shûbra, 'Ezbet el Nakhl, Desûq,

Deirût.

February to September.

Bembidium mixtum, SCHAUM.

Tura, Ma'âdi, Shûbra, 'Ezbet el Nakhl.

April to August.

Bembidium niloticum, DEJ.

Shûbra.

September.

Bembidium ægyptiacum, DEJ.

Cairo.

Tachys gilvus, SCHAUM.

Cairo.

August to October.

Tachys ornatus, APETZ.

Cairo.

Tachys lucasi, JACQ.

Girga, Tura, Ma'âdi, Khanka, Zagazig,

Sakha.

January to July.

Var. **metallicus**, PEYRON.

Zagazig.

June.

Apotomus flavescens, APETZ.

Zagazig.

June.

Chlænius spoliatus, ROSSI.

Tura, 'Ezbet el Nakhl.

February, April.

Licinus ægyptiacus, DEJ.

Alexandria.

Siagona brunnipes, DEJ.

Giza.

December.

Siagona depressa, F.

Cairo.

Acupalpus elegans, DEJ.

Ma'âdi.

June and July.

Egadroma marginata, DEJ.

Tura, Ma'âdi.

All the year.

Amara rufescens, DEJ.

Tura, Mariût.

February to June.

Abacetus æneolus, CHAUD.

Cairo.

Pterostichus conformis, DEJ.

Giza.

December.

Pterostichus barbarus, DEJ.

Kharga Oasis, Ma'âdi, Mariût, Port
Said.

All the year.

Tetragonoderus arcuatus, DEJ.

Ma'âdi.

October.

Metabletus lateralis, MOTS.

Barrage.

February.

Cymindis suturalis, DEJ.

Cairo.

Cymindis sitifensis, LUCAS.

Wâdi Hôf, Mariût.

April and November.

Platytarus famini, DEJ.

Cairo.

Microlestes binotatus, REITT.

Tura, Giza, Mazghûna.

May, August, December.

Microlestes glabrellus, CHAUD.

Ma'sâra, Tura.

June and August.

Microlestes vittatus, BAUDI.

Tura, Giza.

August, December.

Zuphium oleus, ROSSI.

Marg.

March.

Brachynus oblongus, DEJ.

Luxor, Assiût, Ma'âdi.

May to December.

HALIPLIDÆ.

Haliplus maculipennis, SCHAUM.

Talbîa.

March.

DYTISCIDÆ.

Hyphydrus major, SHARP.

Talbîa.

September.

Herophydrus guineenis, AUBÉ.

Kharga Oasis, Tura, Talbîa.

January to March.

Hygrotus musicus, KLUG.

Giza, Tura.

February to October.

Bidessus confusus, KLUG.

Helwân, Tura, Giza.

February to October.

Bidessus porcatus, KLUG.

Abn Roash, Tura.

February and September.

Bidessus signatellus, KLUG.

Giza, Tura, Mansûra.

February to October.

Bidessus major, SHARP.

Giza.

June.

Hydroporus affinis, AUBÉ.

Mariût.

May.

Hydroporus insignis, KLUG.

Sinai.

March.

Hyphoporus solieri, AUBÉ.

Var. *innesi*, REITT.

Tura, Ma'âdi.

February to October.

Hydrovatus longicornis, SHARP.

Tura.

February.

Canthydrus notula, ER.

‘Ezbet el Nakhl.

March.

Laccophilus umbrinus, MOTS.

Tura, Giza.

February and October.

Laccophilus luridus, SHARP.

‘Ezbet el Nakhl.

October.

Colymbetes piceus, KLUG.

Kharga Oasis.

January.

Hydaticus leander, ROSSI.

Kharga Oasis, Marg.

January to March.

Cybister ægyptiacus, PEYR.

Fayûm, Ma'âdi, Zagazig.

All the year.

Eunectes sticticus, L.

Tura, Ma'âdi.

January and June.

GYRINIDÆ.

Gyrinus niloticus, WALT.

Tura, Ma'âdi, Desûq.

March to June.

Dineutes subspinosus, KLUG.

Shûbra, Marg, Desûq.

March to July.

Dineutes æreus, KLUG.

Kharga and Baharia Oases.

September to February.

PAUSSIDÆ.

Paussus zaharæ, BEDEL.

Ma'âdi.

June to November.

STAPHYLINIDÆ.

Trogophlœus memnonius, ER.

Marg, 'Ein el Shams.

June to September.

Oxytelus nitidulus, GRAV.

Benha.

June.

Platystethus cornutus, GRAV.

Girga.

April.

Pæderus fuscipes, CURT.

Abundant everywhere.

All the year.

Astenus melanurus, KÜST.

Giza.

December.

Creophilus maxillosus, L.

Fayûm, Ma'âdi.

March and April.

Philonthus concinnus, GRAV.

Cairo.

Philonthus sordidus, GRAV.

Benha.

June.

Tachyporus nitidulus, F.

Shûbra.

May.

HISTERIDÆ.

Hister major, L.

Benha, Mariût.

March to June.

Hister scutellaris, ER.

Tura, Ma'âdi.

June and October.

Hister himaculatus, L.

Khanka.

May.

Platysoma niloticum, REITT.

Shûbra.

June.

Teretrius kraatzi, MARS.

Shûbra, Mataria.

June and July.

Carcinops minima, AUBÉ.

Shûbra.

June.

Saprinus punctatissimus, ER.

Giza.

December to February.

Saprinus semipunctatus, F.

Ma'âdi, Cairo, Mataria.

March, April, and December.

Saprinus gilvicornis, ER.

Dachor.

April.

Saprinus politus, BRAHM.

Ma'âdi, Cairo, Marg.

January to August.

Saprinus moyses, MARS.

Tura, Marg.

April.

Saprinus blanchei, MARS.

Egypt.

April.

Saprinus ornatus, ER.

Marg.

March.

Saprinus chalcites, LILLIG.

Ma'âdi.

March to July.

Saprinus semistriatus, SCRIBA.

Ma'âdi, Cairo.

March to May.

HYDROPHILIDÆ.

Helophorus deplanus, WALT.

Tura.

March.

Ochthebius sericeus, MULS.

Common everywhere.

All the year.

Spercheus cerisyi, GUÉR.

Giza.

October.

Temnopterus spinipennis, GORY.

Cairo.

Sternolophus solieri, CAST.

Giza.

October.

Philhydrus maculipex, KÜV.

Cairo.

Philhydrus ater, KÜV.

Giza.

October.

CANTHARIDÆ.

Laius venustus, ER.

Nag' Hamâdi, Giza, Ma'âdi.

May to December.

Colotes javeti, DUV.

Embâba.

June.

Colotes ogieri, FAIRM.

Ma'âdi.

March.

Melyris ruficrus, FAIRM.

Var. *aristidis*, PIC.

Mariût.

March.

LAMPYRIDÆ.

Lampyrus (?) lusitanica, MOTS.

Mariût.

March and November.

CLERIDÆ.

Trichodes affinis, SPIN.

Sennûres, El Qalag.

January to March.

Trichodes crabroniformis, F.

Mazghûna, Ma'âdi, Zeitûn, Marg,

Zagazig.

May to August.

Cylidrus sp.

Ma'âdi.

October.

Necrobia rufipes, DE GEER.

Ma'âdi, Giza, Port Said.

March to October.

NITIDULIDÆ.

Carpophylus dimidiatus, F.

Var. *mutilatus*, ER.

Rôda, Giza.

August to December.

Var. *luridus*, MURR.

Rôda, Giza, Mataria.

August to December.

Cybocephalus sp.

Marg.

March to May.

CUCUJIDÆ.

Læmophlœus testaceus, F.

Shûbra.

May.

EROTYLIDÆ.

Cryptophilus integer, HEER.

Cairo.

Triplax melanocephalus, LATR.

Mariût.

PHALACRIDÆ.

Olibrus corticalis, PANZ.

Cairo.

Olibrus liquidus, ER.

Ma'âdi.

May.

Olibrosoma testaceum, MULS.

Embâba.

June.

Phalacrus rufipes, TOURN.

‘Ezbet el Nakhl.

May.

THORICTIDÆ.

Thorictus castaneus, GERM.

Cairo.

LATHRIDIIDÆ.

Melanophthalma carinulata, MOTS.

Marg, Shirbin, Giza.

December to May.

COLYDIDÆ.

Ditoma rufa, MOTS.

Cairo.

Myrmicoxenus vaporariorum, GUÉR.

Marg.

September.

COCCINELLIDÆ.

Epilachna chrysomelina, F.

Common everywhere.

February to August.

Coccinella undecim-punctata, L.

Abundant everywhere.

All the year.

Coccinella septem-punctata, L.

Kharga Oasis, Helmia, Port Said.

All the year.

Chilomenes vicina, MULS.

Var. **nilotica**, MULS.

Tura, ‘Ein el Shams, Benha, Mansûra.

All the year.

Var. **subsignata**, PIC.

Cairo, Embâba, Mansûra.

Chilocorus bipustulatus, L.

Cairo, Nawa, Mashtûl, Zagazig.

September to February.

Exochomus nigromaculatus, GOEZE.

Var. **nigripennis**, ER.

Ma'âdi, ‘Ezbet el Nakhl, Damietta,

Ma'mûra.

June to November.

Scymnus syriacus, MAES.

Qubba.

June.

Scymnus pallidivestris, MULS.

Shirbin, Marg.

April and May.

Scymnus biverrucatus, PANZ.

Shûbra, Marg, Shirbin.

December to May.

Rhizobius litura, F.

Zagazig, Marg, Wâdi Rashid, ‘Ezbet el Nakhl.

February to August.

Lithophilus cordicollis, GUÉR.

Mariût.

November.

Vedalia cardinalis, MULS.

Beni Suef, Wasta, Helmia.

May and December.

DERMESTIDÆ.

Dermestes frischeri, KUGEL.

Ma'âdi.

March.

Dermestes vulpinus, F.

Ma'âdi, Cairo.

August.

Attagenus cinnamomeus, ROTH.

Ma'âdi, Giza, Shûbra, Cairo, Qubba.

February to August.

Attagenus bifasciatus, OL.

Shûbra, Marg.

February and March.

Var. **chakouri**, PIC.

Shûbra.

February.

Attagenus scalaris, PIC.
Ma'âdi, Moqattam Hills, 'Ezbet el
Nakhl, Zagazîg.
May and June.

Attagenus posticalis, FAIRM.
Var. **brunneopunctatus**, PIC.
Ma'âdi, Moqattam Hills.
May.

Attagenus aristidis, PIC.
Wâdi Rashid.
August.

Attagenus alferii, PIC.
Shûbra.
May.

Pharadonoma nobile, REITT.
Ekhsâs.
April.

Trogoderma versicolor, CREUTZER.
Ma'âdi.
May.

Anthrenus fasciatus, HERBST.
Ma'âdi.
June.

Anthrenus versbaschi, L.
Cairo.

Anthrenus minor, WOLL.
Moqattam Hills.
May.

Anthrenus pimpinellæ, F.
Var. **goliath**, MULS and REY.
Minia, Marg.
April.

ELATERIDÆ.

Agrypnus notodonta, LATR.
Widely distributed.
June to October.

Adelocera lithophila, CAND.
Mariût.
March.

Cardiophorus dilutus, ER.
Shûbra.
July.

Drasterius figuratus, GERM.
Girga, Ma'âdi.
April to October.

BUPRESTIDÆ.

Julodis onopordi, F.
Var. **syriaca**, CAST and GORY.
Mariût.
March.

Var. **ehrenbergi**, CAST.
Old Suez Road.
April.

Julodis sitifensis, MARS.
Mariût.
March.

Acmæodera squamosa, THERY.
Moqattam Hills, Ma'sâra.
April and May.

Acmæodera polita, KLUG.
Giza, Mataria, Marg, Suez.
June to August.

Ptosima undecim-maculata, HERBST.
Giza.
December to May.

Steraspis squamosa, KLUG.
Marg, Abbassia, Ma'âdi.
July and December.
Var. **tamariscicola**, THOMS.
Fayûm.
April.

Psiloptera catenulata, KLUG.
Giza.
May.

Psiloptera mimosæ, KLUG.
Moqattam Hills, Ma'âdi.
February to April.

Sphenoptera trispinosa, KLUG.
Shûbra, Tûkh.
December to March.

Sphenoptera ardens, KLUG.
Fayûm, Giza.
January to May.

Melanophila picta, PALL.
Gizira.
June.

Chalcogenia theryi, AB.

Cairo.

Anthaxia angustipennis, KLUG.

Ma'âdi, Cairo.

April.

Anthaxia pulex, AB.

Cairo.

Chrysobothris affinis, F.

Cairo.

Aphanisticus emarginatus, OL.

Marg.

February, May, September.

Trachys probably n. sp.

Ma'sâra.

August and September.

PTINIDÆ.

Gibbium psylloides, CZEMP.

Abn Tig, Ma'sâra, Ma'âdi. Cairo,
Shûbra.

All the year.

LYCTIDÆ.

Lyctus brunneus, STEPH.

Shûbra.

May and July.

ANOBIIDÆ.

Xyletinus bucephalus, ILLIG.

Shûbra, 'Ein el Shams.

March and April.

Metholcus cylindricus, GERM.

Cairo.

September.

Lasioderma serricorne, F.

Shûbra.

September.

CEDEMERIDÆ.

Probosca letourneuxi, PIC.

Merghâb, Abu Qir.

May.

ANTHICIDÆ.

Formicomus cæruleipennis, LAF.

Var. **cyanopterus**, LAF.

Cairo.

Anthicus fasciatus, CHEVR.

Giza.

December.

Anthicus bremeri, LAF.

Heliopolis, Marg.

May to September.

Anthicus floralis, L.

Ekhsâs, Shûbra.

September.

Anthicus instabilis, SCHMIDT.

Cairo.

Anthicus crinitus, LAF.

Shûbra, Marg.

May and September.

Anthicus armatus, TRUQ.

Ma'âdi.

May.

MELOIDÆ.

Meloe rugosus, MARSH.

Mariût.

March.

Meloe ægyptiaca, BRDT.

Moqattam Hills, Mariût.

March to May.

Zonabris apicipennis, REICHE.

Common everywhere.

May to August.

Zonabris sisymbii, KLUG.

Heliopolis.

July.

Zonabris viginti-punctata, OL.

Mazghûna.

May.

Zonabris sanguinolenta, OL.

Common everywhere.

March to July.

Zonabris elegans, OL.

Ma'âdi.

April to August.

Zonabris menthæ, KLUG.

Ma'âdi, Mazghûna, Giza, 'Ein el
Shams, Berkâsh.

April to August.

Zonabris angulata, KLUG.

Abu Roash.

July.

Zonabris quatuordecim-signata, MARS.

Wâdi Hôf, Ma'sâra.

April to July.

Coryna argentata, F.

Saqqâra.

May.

Coryna lata, REICHE.

Mazghûna.

May.

Lydus syriacus, L.

Giza.

March.

Lydus viridissimus, LUCAS.

Mariût.

March.

Diaphorocera hemprichi, HEYD.

Giza.

April.

Nemognatha chrysomelina, F.

Ma'sâra, Tura, Ma'âdi.

April to July.

Var. **nigripennis**, REY.

Baltîm.

Nemognatha quinque-punctata, SFER.

Mazghûna.

May.

RHIPHORIDÆ.

Macrosiagon larvata, REITT.

Tura, Ma'âdi.

May.

MORDELLIDÆ.

Anaspis defarguesi, ABEILLE.

Sherbîn.

April.

ALLECULIDÆ.

Omophlus tenellus, KIRSCH.

Wâdi Hôf, Ma'âdi, El Qalag, 'Ein el

Shams.

March and April.

Heliotaurus chalybæus, KIRSCH.

Mariût.

March.

TENEBRIONIDÆ.

Arthrodeis rotundatus, SOL.

Alexandria.

Zophosis complanata, SOL.

Common everywhere.

March to September.

Zophosis plana, F.

Common everywhere.

January to May.

Zophosis pygmæa, SOL.

Mazghûna, Mariût.

May and November.

Zophosis abbreviata, SOL.

Common everywhere.

All the year.

Erodus puncticollis, SOL.

Common everywhere.

February to May.

Adesmia acervata, KLUG.

El Rico.

March.

Adesmia cothurnata, FORSK.

Kharga Oasis.

February.

Adesmia faremonti, LUCAS.

Mariût.

March.

Adesmia monilis, KLUG.

Mariût, Abu Qîr.

March to July.

Adesmia montana, KLUG.

Var. **parallela**, MILL.

Helwân, Wâdi Hôf.

December to February.

Adesmia bicarinata, KLUG.

Ma'sâra, Tura.

January to April.

Adesmia longipes, KLUG.

Wâdi Hôf.

February to April.

Adesmia dilatata, KLUG.

Wâdi Hôf, Ma'sâra, Tura, Ma'âdi,
Heliopolis, Marg.
November to April.

Tentyria punctatostriata, SOL.

Ma'sâra, Helmia.
August.

Tentyrina ægyptiaca, SOL.

Wâdi Hôf, Ma'âdi, Giza, Khanka,
Old Suez Road, Tel el Kebir.
February to April.

Tentyrina orbiculata, F.

Ein el Shams.
March.

Micipsa grandis, KRAATZ.

Cairo.

Micipsa schaumii, KRAATZ.

Tura.
March.

Mesostena angustata, F.

Common everywhere.
All the year.

Oxycara pygmæum, REICHE.

Tura, Ma'âdi, Moqattam Hills.
March to September.

Scelosodis castaneus, ESCH.

Tura, Giza, Badreshein, Ma'âdi.
December to May.

Adelostoma sulcatum, DUP.

Cairo.

Machlopiis crenatocostata, REDT.

Mariût.
March.

Himatismus variegatus, F.

Common everywhere.
All the year.

Stenosis pubescens, SOL.

Cairo.

Microtelus lethierryi, REICHE.

Tura.
January.

Asida gassneri, REITT.

Mariût.
March.

Sepidium tricuspidatum, F.

Ma'sâra.

Sepidium reichei, ALL.

Mariût.
March.

Morica grossa, L.

Mariût.
March.

Akis reflexa, F.

Ma'sâra, Ma'âdi, Cairo. Mariût, Siwa
Oasis.
All the year.

Scaurus barbarus, SOL.

Kharga Oasis, Helwân, Ma'âdi,
Khauka.
February to October.

Scaurus puncticollis, SOL.

Mariût.
March.

Pimelia grandis, KLUG.

Assiût, Ma'âdi.
All the year.

Pimelia comata, KLUG.

Mariût.
March and November.

Pimelia böhmi, REITT.

Wâdi Hôf.
February to April.

Pimelia irrorata, KLUG.

Ma'âdi, Khanka.
April to June.

Pimelia barthelemyi, SOL.

Ma'âdi, Heliopolis.
January and June.

Pimelia angulata, F.

Common everywhere.
All the year.

Pimelia nilotica, SÉN.

Kharga Oasis.
February.

Pimelia sericea, OL.

Mariût.
March and November.

Pimelia spinulosa, KLUG.

Mariût.

March and November.

Pimelia aculeata, KLUG.

Alexandria.

May.

Pimelia subquadrata, STURM.

Cairo.

Ocnerna hispida, FORSK.

Kharga Oasis, Wâdi Hôf, Ma'âdi
Giza.

All the year.

Var. *latreillei*, SOL.

Tura, Ma'âdi, Giza, Kharga Oasis.
Wâdi Hôf.

Thriptera varvasi, SOL.

Wâdi Rashid.

August.

Prionothesa coronata, OL.

Ma'âdi, Giza, Helmia, Khanka.
February to August.

Blaps polychresta, FORSK.

Common everywhere.

All the year.

Pachypterus niloticus, MILL.

Cairo.

Opatrinus corvinus, MULS. and REY.

Marg.

April.

Scleron orientale, F.

Common everywhere.

All the year.

Eurycaulus hirsutus, MILL.

Wâdi Rashid.

August.

Crypticus murinus, ALL.

Cairo, Sherbin.

April.

Opatropis hispida, BRULLÉ.

Giza.

December.

Opatroides punctulatus, BRULLÉ.

Common everywhere.

All the year

Cædus ægyptiacus, MULS.

Ma'âdi.

January and June.

Anemia fausti, SOLSKY.

Ma'âdi.

April.

Anemia asperula, REITT.

Cairo.

Phaleria cadaverina, F.

Helmia.

Platydemus rufulum, MOTS.

Tanta.

March.

Cænocorse deserticola, J. SAHLB.

Cairo.

Tribolium confusum, JACQ.

Abundant everywhere.

All the year.

Alphitobius piceus, OL.

Ma'âdi, Giza, Mataria.

March to October.

Alphitobius diaperinus, MULS.

Cairo.

Cossyphus insularis, CAST.

Marg.

Helopinus costatus, SOL.

Ma'sâra.

Tenebrio molitor, L.

Cairo.

June.

CERAMBYCIDÆ.

Macrotoma palmata, F.

Ma'âdi, Shûbra.

July and August.

Polylobarthron ægyptiacum, GUÉR.

Ma'âdi.

July and August.

Cerambyx scopoli, FÜSSL.

Cairo.

Xystrocera globosa, OL.

Ma'âdi, Giza, Cairo.

May to November.

Dichostates subocellatus, FAIRM.

Helmia.

August.

Hylotrupes bajulus, L.
Tanta, Sîdi Ghâzi, Alexandria.
May to July.

Clytanthus varius, F.
Giza, 'Ezbet el Nakhl, Zagazîg.
May to July.

Var. **damascenus**, CHEVR.
'Ezbet el Nakhl, Sakha.

CHRYSEMELIDÆ.

Titubœa arabica, OL.
Ma'âdi.
June.

Titubœa olivieri, LAC.
Alexandria, Wâdi Hôf.
March to July.

Gynandrophthalma unipunctata, OL.
Var. **venusta**, LEF.
Marg.
February and March.
Var. **ægyptiaca**, LEF.
Marg.

Gynandrophthalma viridana, LAC.
Mariût.
March.

Chlamys ægyptiaca, DESBR.
Cairo.

Lachnæa cerealis, OL.
Mariût.
March.

Cryptocephalus punctatissimus,
SFFR.
Marg.
March to September.

Cryptocephalus bifasciatus, F.
Cairo.

Cryptocephalus brunnicollis, SFFR.
Wâdi Rashid.
August.

Stilosomus niloticus, SFFR.
Marg.
March and April.

Malegia letourneuxi, LEF.
Cairo.

Chrysomela bicolor, F.
Bahîg.
August.

Chrysomela peyerimhoffi, AUCT. (?).
Wâdi Hôf, Wâdi Hussein.
April.

Chrysomela rufomarginata, WARS.
Abû Qir.

Rhaphidopalpa foveicollis, LUCAS.
Abundant everywhere.
All the year.

Disrhabda elongata, BRULLÉ.
Widely distributed.
All the year.

Chætocnema bilunulata, DEM.
Cairo.

Phyllotreta cruciferæ, GOEZE.
Shûbra, Embâba, Ma'âdi, Shibîn el
Qanâter.
January to July.

Phyllotreta variipennis, BOJELD.
Tura, Ma'sâra.
August and October.

Hermacophaga ruficollis, LUCAS.
Ma'sâra.
January.

Cassida subferruginea, SCHEANK.
Kafr el Zayât.
September.

HISPIDÆ.

Hispa testacea, L.
Var. **algeriana**, GUÉR.
'Ein el Shams.
May 1912.

BRUCHIDÆ.

Bruchus lentis, FRÖL.
Giza.
January to June.

Bruchus seminarius, L.
Wâdi Rashid.
February to July.
Var. **pusillus**, GERM.
Shûbra, 'Ezbet el Nakhl, Embâba.

Bruchus albosparsus, FÄHR.

Giza.

December.

CURCULIONIDÆ.

Otiorrhynchus arachnoides, STIERL.

Wâdi Hôf.

April.

Sitones crinitus, OL.

Cairo.

Sitones lividipes, FÄHR.

Common everywhere.

All the year.

Sitones bituberculatus, MOTS.

Mariût.

November.

Asemus niloticus, GYLL.

Giza.

November.

Phacephorus nebulosus, FÄHR.

Tura.

February.

Conorrhynchus brevirostris, GYLL.

Kharga Oasis, Tura.

February and October.

Coniocleonus excoriatus, GYLL.

Ma'âdi, Mariût.

November to April.

Porocleonus candidus, OL.

Mazghûna.

May.

Pycnodactylus tomentosus, FÄHR.

Ma'âdi, Helmia, Heliopolis.

February to May.

Ammocleonus hieroglyphicus, OL.

Tura.

January.

Tetragonothorax senectus, FÄHR.

'Ezbet el Nakhl.

May.

Lixus ornatus, REICHE.

Cairo.

Lixus ascani, L.

Marg, Ma'sâra.

August and September.

Lixus (?) rosencholdi, BHM.

Cairo.

Lixus anguisculus, L.

Zagazig.

June.

Cylindropterus luxeri, CHEVR.

Ma'âdi, Khanka, Mariût.

March to May.

Larinus onopordinis, F.

Ma'âdi, Edku, Mariût.

March to June.

Larinus albolineatus, LAF.

Cairo.

Larinus vittatus, F.

Ma'sâra, Ma'âdi, Helmia.

April and May.

Alcides willcocksi, PIC.

Cairo.

March to May.

Microlarinus humeralis, TOMS.

Heliopolis.

February.

Lachnæus clainpanaini, BEDEL.

Ma'sâra.

May.

Gronops jekeli, ALL.

Cairo.

Rhytidoderes plicatus, OL.

Var. *siculus*, FÄHR.

Mariût.

November.

Hypera variabilis, HERBST.

Abundant everywhere.

January to July.

Phytonomus hispidulus, BHM.

Cairo.

Phytonomus isabellinus, BHM.

'Ein el Shams.

March.

Coniatus tamarisci, F.

Abundant everywhere on tamarisk.

February to April.

Coniatus lætus, MILL.

Marg.

March to May.

Smicronyx rufipes, KIESENW.

Var. **rufipennis**, TM.

Marg, Sherbin.

March to May.

Sharpia gracilienta, ROS.

Marg.

March.

Ceutorrhynchus parasimilis, REITT.

Cairo.

Ceutorrhynchus geographicus,

GOEZE.

Marg.

April.

Baris granulipennis, TOURN.

Ma'âdi, 'Ezbet el Nakhl.

March to May.

Calandra oryzæ, L.

Abundant everywhere.

All the year.

Sphenophorus parumpunctatus,

GYLL.

Ma'âdi.

July.

Tychius heydeni, TOURN.

Marg.

February.

Tychius seriesetosus, TOURN.

Marg.

May.

Tychius seriesqamosus, DESBR.

Marg.

August.

Tychius flavicornis, DESBR.

'Ezbet el Nakhl, Embâba.

May and June.

Tychius suturalis, DESBR.

Marg.

February to May.

Sibinia primita, HERBST.

Tura.

May.

Sibinia attalica, GYLL.

Tura, Marg.

May.

Rhamphus kiesenwetteri, TOURN.

Giza.

December.

Nanophyes sp. nr. **maculatus**, TOURN.

Marg.

March to May.

Nanophyes quadrivirgatus, COSTA.

Marg.

March to May.

Apion ægyptiacum, DESBR.

Ma'sâra.

August.

Apion candidum, WNCK.

Ma'sâra.

Apion alfierii, PIC.

Wâdi Gendali, Old Suez Road.

March and April.

APHODIIDÆ.

Rhyssmodes orientalis, MULS. and

GOD.

Kharga Oasis.

February.

Rhyssemus mayeti, CLOUET.

Ma'âdi.

April to October.

Pleurophorus cæsus, CREUTZER.

Heliopolis.

July.

Aphodius contractus, KLUG.

Ma'âdi.

July.

Aphodius hydrochæris, F.

Ma'âdi.

November.

Aphodius lividus, OL.

Minia, Ma'âdi.

May to October.

Aphodius granarius, L.

Alexandria.

Aphodius nitidulus, F.

Marg.

May.

Aphodius punctipennis, ER.

Kharga Oasis.

February.

Eremazus unistriatus, MULS.

‘Ein el Shams.

March.

COPRIDÆ.

Scarabæus sacer, L.

Abundant everywhere.

All the year.

Scarabæus puncticollis, LATR.

Mariût, Edfina.

March to June.

Scarabæus cristatus, F.

Saqqâra, Mazghûna, Giza, Cairo,

Berkâsh, Shibîn el Qanâter.

April to July.

Mnematidium multidentatum, KLUG.

Khanka.

April.

Oniticellus pallipes, F.

Ma‘âdi.

June.

Heliocopris isidis, LATR.

Widely distributed.

All the year.

Catharsius pithecius, F.

Girga, Ma‘âdi, Shûbra, Cairo, Zagazig,

Mariût.

All the year.

Onthophagus gazella, F.

Ma‘âdi.

July.

Onthophagus nebulosus, REICHE.

Giza, Mariût.

December and March.

Onthophagus pseudocervulus, REITT.

Ma‘âdi.

June and July.

Onthophagus (?) bedeli, REITT.

Mariût.

March.

Bubas bubalus, OL.

Fayûm, Mariût.

March.

Onitis belial, F.

Ma‘âdi, Shûbra.

June to September.

Cheironitis furcifer, ROSSI.

Cairo.

PACHYDEMIDÆ.

Pachydema immatura, BURM.

‘Ezbet el Nakhl.

June.

RUTELIDÆ.

Anisoplia sabulicola, ER.

Ma‘âdi, Marg, El Qalag, Khanka.

March to May.

GLAPHYRIDÆ.

Amphicoma vulpes, F.

Mariût.

March.

HYBOSORIDÆ.

Hybosorus illigeri, REICHE.

Ma‘âdi.

June and July.

DYNASTIDÆ.

Phylognathus silenus, F.

Shûbra.

September.

Heteronychus parumpunctatus,

BURM.

Marg.

February.

Pentadon dispar, BAUDI.

Common everywhere.

September.

Pentadon syriacus, KR.

Shûbra, Marg.

April to October.

Pentadon variolosopunctatus, FAIRM.

Shûbra.

September.

Temnorrhynchus baal, REICHE.

Mazghûna, Ma'âdi, 'Ein el Shams,
Dekheila.
March to July.

CETONIIDÆ.

Tropinota squalida, SCOP.

Abundant everywhere.
January to March.

Stalagmosoma albella, PALL.

Ma'âdi.
April and May.

Oxythyrea abigail, MULS.

Suez.
May.

Aethiessa inhumata, GORY.

Mex.
May.

Cetonia floricola, AUCT. (?)

Var. **ignicollis**, GORY.
Damietta.
April.

Pacnoda fasciata, F.

Widely distributed.
May to November.

Numerous species unidentified.

STREPSIPTERA.

STYLOPIDÆ.

Xenos (?) vesparum, ROSSI.

Ma'âdi.
April.

LEPIDOPTERA.

PIERIDÆ.

Pieris rapæ, L.

Common everywhere.
All the year.

Leucochloe daplidice, L.

Ma'âdi, Tukh, Mariût.
May and June.

Leucochloe glauconome, KLUG.

Wâdi Hôf, Ma'sâra, Tura, Ma'âdi.
All the year.

Euchloe belemia, ESP.

'Ezbet el Nakhl.
January.

Euchloe belia, CR.

Ma'âdi, Damanhûr.
April and May.

Colias croceus, FOURCR.

Abundant everywhere.
All the year.

Var. **helice**, HB.

Widely distributed.

DANAIDÆ.

Danais chrysippus, L.

Abundant everywhere.
All the year.

Var. **alcippoides**, MO.

Fayûm and Suez.

NYMPHALIDÆ.

Pyrameis atalanta, L.

Widely distributed.
November to March.

Pyrameis cardui, L.

Abundant everywhere.
All the year.

Euthalia garuda, MO.

One specimen bred from larva on
imported mango tree, Suez.
November 1913.

LYCÆNIDÆ.

Cigaritis acamas, KLUG.

Heliopolis.

September.

Virachola livia, KLUG.

Common everywhere.

All the year.

Polyommatus bæticus, L.

Abundant everywhere.

January to June.

Tarucus telicanus, LANG.

Abundant everywhere.

February to July.

Tarucus theophrastus, F.

Widely distributed.

February to September.

Zizera karsandra, Mo.

Abundant everywhere.

All the year.

Cupido trochilus, FREYER.

Fayûm, Tura, Ma'âdi, Gezira.

All the year.

Lycæna læwii, Z.

Var. **gigas**, STGR.

Wâdi Hôf, Ma'âdi, Moqattam Hills,

Old Suez Road.

April.

HESPERIIDÆ.

Hesperia evanida, BUTLER.

Ma'âdi, Moqattam Hills, Salhîa.

April.

Gegenes nostradamus, F.

Nag' Hamâdi, Mazghûna, Ma'âdi,
Cairo.

May to September.

Parnara mathias, F.

Common everywhere.

April to November.

Parnara zelleri, LED.

Zeitûn, Faraskûr, Alexandria.

May to September.

Parnara (?) n. sp.

Mariût.

July.

NOLIDÆ.

Celama mesomelana, HMPSEN.

Minia.

December.

Celama squalida, STGR.

Tura, Ma'âdi, Giza, Mataria, Sakha.

All the year.

ARCTIIDÆ.

Ocnogyna læwii, Z.

Mariût.

December.

Utetheisa pulchella, L.

Nag' Hamâdi, Ma'âdi, Alexandria.

All the year.

LYMANTRIIDÆ.

Orgyia dubia, TAUSCH.

Var. **judæa**, STGR.

Sidi Ghâzi, Alexandria.

November and December.

Ocneria flavipalpata, STGR.

Ma'âdi, Old Suez Road.

May and October.

LASIOCAMPIDÆ.

Lasiocampa grandis, RGHFR.

Gharbia.

Lasiocampa decolorata, KLUG.

Old Suez Road.

October and November.

Nadasia obsoleta, KLUG.

Ma'âdi, Marg, Zagazig.

April to September.

Nadasia undata, KLUG.

Ma'âdi, Nawa, Zagazig.

April to October.

Taragama acaciæ, KLUG.

Common everywhere.

June to August.

Taragama ægyptiaca, BANG-HAAS.

Sakha, Sidi Ghâzi, Kafr el Dawâr,

Edfîna, Mariût.

April and July.

SPHINGIDÆ.

- Acherontia atropos**, L.
Widely distributed.
April, May, and September-December.
- Sphinx convolvuli**, L.
Ma'âdi.
March to November.
- Daphnis nerii**, L.
Ma'âdi, Cairo, Gezira.
July to November.
- Deilephila livornica**, ESP.
Kharga Oasis, Maghâgha, Bedreshein.
Ma'âdi, Zagazig.
February to July.
- Chærocampa celerio**, L.
Ma'âdi, Giza.
March to June and November.
- Macroglossa stellatarum**, L.
Common everywhere.
All the year.

COSSIDÆ.

- Cossus henleyi**, ROTHSCH.
Ma'âdi, Giza.
May to August.
- Cossus l-nigrum**, B.-BAKER.
Maghâgha, Cairo.
June.
- Zeuzera pyrina**, L.
Cairo, Giza, Shûbra, Alexandria.
May to July.

NOCTUIDÆ.

- Euxoa pronuba**, L.
Ma'âdi, Giza, Mit Ghamr.
February to April.
- Euxoa spinifera**, HB.
Abundant everywhere.
All the year.
- Euxoa radius**, HAW.
Widely distributed.
October to February.
- Euxoa pierretii**, BUGNION.
Sollûm.
November.

- Euxoa ripæ**, HB.
Alexandria.
November.
- Euxoa ypsilon**, ROTT.
Abundant everywhere.
Most of the year.
- Euxoa segetum**, SCHIFF.
Ma'âdi, Cairo.
April to June and October.
- Euxoa trux**, HB.
Ma'âdi, Cairo, Gezira, Alfia.
October to January.
- Polia consanguis**, GUEN.
Ma'âdi.
March, April, and November.
- Scotogramma Sodæ**, RAMB.
Sollûm.
November.
- Scotogramma trifolii**, GUEN.
Ma'âdi.
- Bryophila mæonis**, LED.
Ma'âdi.
February to April.
- Epharmottomena costiplaga**, WARREN.
Ma'âdi.
March and October.
- Epharmottomena plumbizonata**,
HMPN.
Ma'âdi.
October.
- Hadjina palæstinensis**, STGR.
Minia, Mariût.
July and November.
- Hadjina viscosa**, FRR.
Gezira.
April.
- Perigea capensis**, GUEN.
Lake Qarûn, Ma'âdi.
February, March, and October.
- Cardephia irrisor**, ERSCH.
Var. *deserticola*, BANG-HAAS.
Ma'âdi.
October.

***Prodenia litura*, F.**

Abundant everywhere.
All the year.

***Euplexia lucipara*, L.**

Ma'âdi.

***Brotolomia meticulosa*, L.**

El 'Arish.

February.

***Sesamia cretica*, LED.**

Abundant everywhere.
May to September.

***Leucania zeæ*, DUP.**

Minia, Ma'âdi.

All the year.

***Leucania putrescens*, HB.**

Port Said.

October.

***Leucania loreyi*, DUP.**

Ma'âdi.

March to October.

***Spodoptera abyssinia*, EX.**

Ma'âdi, Cairo, Giza, Alexandria.

All the year.

***Laphygma exigua*, HB.**

Abundant everywhere.

All the year.

***Athetis aspersa*, RAMB.**

Ma'âdi.

March.

***Athetis atriluna*, GUEN.**

Minia, Ma'âdi.

January to August.

***Athetis clavipalpis*, SCOP.**

Ma'âdi.

October and November.

***Athetis melanurina*, STGR.**

Ma'âdi.

October.

***Cucullia chamomillæ*, SCHIFF.**

Alexandria.

January.

***Copicucullia syrtana*, MAB.**

Ma'âdi.

December to February.

Var. (? n. sp.)

Beni Mazâr.

November.

***Chloridea nubigera*, H.-S.**

Kharga Oasis, Ma'âdi.

January to May.

***Chloridea obsoleta*, F.**

Assiût, Ma'âdi.

All the year.

***Chloridea peltigera*, SCHIFF.**

Ma'âdi.

March to July.

***Tarache lucida*, HUFN.**

Var. *albicollis*, F.

Mariût.

July.

* Var. *insolatrix*, HB.

Ma'âdi.

June.

***Eublemma teilhardi*, JOANNIS.**

Nag' Hamâdi.

September.

***Eublemma suppura*, STGR.**

Alexandria, Dekheila.

July.

***Eublemma scitula*, RAMB.**

Nag' Hamâdi.

September.

***Eublemma cochylioides*, GUEN.**

Ma'âdi, Montaza.

April to December.

***Eublemma gayneri*, ROTHSC.**

Nag' Hamâdi, Minia, Ma'âdi.

April to September.

***Thalpochares ostrina*, HB.**

Ma'âdi.

March to May.

***Thalpochares parva*, HB.**

Helwân, Port Said.

October and November.

***Rivula sericealis*, SC.**

Ma'âdi, Zefeita Shalaqân.

November.

- Plusia chalcytes**, ESP.
Ma'âdi.
May and November.
- Plusia circumflexa**, L.
Maghâgha, Ma'âdi, Giza, Baltim.
All the year.
- Plusia gamma**, L.
Abundant everywhere.
All the year.
- Plusia ni**, HB.
Kharga Oasis, Ma'âdi, Cairo, Deirût.
All the year.
- Plusia daubei**, BOISD.
Ma'âdi.
November to April.
- Ceracola scapulosa**, HB.
Var. *sana*, STGR.
Ma'sâra.
August.
- Pericyma squalens**, LED.
Ma'âdi, Sakha.
March to August.
- Pandesma anysa**, GUEN.
Ma'âdi, Suez.
April to July.
- Anumeta spilota**, ERSCH.
Ma'âdi.
- Leucanitis flexuosa**, MEN.
Sakha.
April to June.
- Grammodes algira**, L.
Ma'âdi, Gezira.
May to September.
- Grammodes geometrica**, F.
Ma'âdi, Kafr el Dawâr, Montaza,
Ma'mûra, Mariût.
May to October.
- Pseudophia illunaris**, HB.
Fayûm.
January.
- Pseudophia tirhaca**, CR.
Helwân, Ma'âdi, Cairo, Qnbba.
September to February.

- Apopestes dilucida**, HB.
Var. *rosea*, STGR.
Ma'âdi.
April.
- Tathaorhynchus vinctale**, WALK.
Ma'âdi, Zefeita Shalaqân.
All the year.
- Rhynchina eremialis**, SWIN.
Ma'âdi, Cairo, Sakha.
March to November.
- Three spp. unidentified.
- CYMBIDÆ.
- Earias insulana**, BOISD.
Abundant everywhere.
All the year.
- GEOMETRIDÆ.
- Eucrostes beryllaria**, MN.
Ma'âdi, Moqattam Hills.
March to May and December.
- Nemoria faustinata**, MILL.
Ma'âdi, Moqattam Hills, Zefeita
Shalaqân.
All the year.
- Craspedia minorata**, H.-S.
Abundant everywhere.
All the year.
- Ptychopoda libycata**, BARTEL.
Ma'âdi.
March to April.
- Acidalia coenosaria**, LED.
Maghâgha, Ma'âdi.
April to November.
- Acidalia fractilineata**, Z.
Ma'âdi, Sakha.
April to July.
- Tephronia cremiaria**, FR.
Ma'âdi.
March and April.
- Longula extraordinaria**, STGR.
Ma'âdi, Sakha, Alexandria.
May to July.
- Sterrha sacraria**, L.
Common everywhere.
January to July.

Larentia fluviata, HB.

Ma'âdi, Baltim.

All the year.

Eupithecia oblongata, THBG.

Ma'âdi.

November.

Eupithecia pumilata, HB.

Ma'âdi.

April, October, and November.

Eupithecia ultimaria, BOISD.

Ma'âdi.

October to February.

Eupithecia unedonata, MAB.

Ma'âdi, Cairo.

March to May.

Eupithecia, two spp. unidentified.

Semiothisa æstimaria, HB.

Ma'âdi.

April to June.

Fidonia pratana, FR.

Var. *obscuraria*, B.-BAKER.

Mallâha.

July.

Eubolia disputaria, GUEN.

Widely distributed.

May to November.

Orsonobe ægyptiaca, RBL.

Ma'âdi, Cairo, Sakha.

March to July.

Xenobiston casta, WARREN.

Ma'âdi.

April and October.

Three spp. unidentified.

PYRALIDÆ.

Melissoblaptus bipunctanus, Z.

Ma'âdi.

June.

Achroea grisella, F.

Ma'âdi.

May.

Corcyra cephalonica, STT.

Ma'âdi.

April to November.

Galleria mellonella, L.

Ma'âdi, Cairo.

April to October.

Lamoria anella, SCHIFF.

Common everywhere.

March to May.

Eromene ocella, HAW.

Abundant everywhere.

November to May.

Eromene sp.

Ma'âdi.

March to August.

Chilo simplex, BUTLER.

Beni Mazâr, Giza.

July.

Hypogryphia uncinatella, RAG.

Ma'âdi, Cairo.

March to May and October.

Plodia interpunctella, HB.

Ma'âdi.

April.

Ephestia calidella, GUEN.

Kharga Oasis.

June to October.

Ephestia cautella, WALK.

Kharga Oasis, Girga, Ma'âdi, Cairo,

Alexandria.

June to December.

Ephestia kuehniella, Z.

Cairo and Alexandria.

July to September.

Heterographis hellenica, STGR.

Ma'âdi, Sakha.

April to July.

Heterographis(?) candidatella, LED.

Ma'âdi.

March.

Heterographis convexella, LED.

Qena, Ma'âdi, Baliâna.

January to May.

Heterographis(?) fathmella, OBERTH.

Ma'âdi.

March.

Heterographis harmoniella, RAG.

Ma'âdi.

November.

Heterographis rhodochrella, H.-S.

Ma'âdi.

March and April.

Heterographis rubripictella, HMPSN.

Ma'âdi.

October.

Euzophera osseatella, TR.

Giza.

May.

Cryptoblabes gnidiella, MILL.

Ma'âdi, Giza, Damauhûr, Desûq,

Belqâs.

April and July to December.

Endotricha consobrinalis, ZELL.

Ma'âdi.

March to April and October to November.

Aglossa pinguinalis, L.

Assiût, Ma'âdi.

March to November.

Aglossa ocelliferalis, HMPSN.

Beni Suef, Ma'âdi.

November.

Pyralis farinalis, L.

Ma'âdi, Cairo, Embâba.

All the year.

Nymphula fuscomarginata, B.-BAKER.

Ma'âdi, Zagazig, Sakha.

April to July.

Hulstia undulatella, CLEM.

Ma'âdi, Sakha.

April to October.

Oligochroa coriacella, RAG.

Ma'âdi, Mansûra.

March to October.

Homœosoma nimbellum, Z.

Ma'âdi.

October.

Pagyda traducalis, Z.

Ma'âdi.

March and September to November.

Ercta ornatalis, DUP.

Ma'âdi, Zefeita Shalaqân.

March and October to November.

Glyphodes unionalis, HB.

Ma'âdi, Sakha.

March to October.

Hellula undalis, F.

Ma'âdi, Heliopolis, Sakha.

All the year.

Nomophila noctuella, SCHIFF.

Abundant everywhere.

All the year.

Pachyzancla licarsicalis, WALK.

Ma'âdi, Cairo, Giza, Port Said, Alexandria.

September to November.

Antigastra catalaunalis, DUP.

Ma'âdi, Port Said.

October to December.

Cynæda dentalis, SCHIFF.

Montaza.

July.

Pionea ferrugalis, HB.

Maghâgha, Fayûm, Ma'âdi.

All the year.

Pyrausta nubilalis, HB.

Minia, Ma'âdi.

October and November.

Pyrausta sanguinalis, L.

Ma'âdi.

October.

Cornifrons ulceratalis, LED.

Kharga Oasis, Maghâgha, Ma'âdi.

All the year.

Tegostoma moeschleri, CHRISTOPH.

Abundant everywhere.

April to August.

Tegostoma kabylalis, RBL.

Ma'âdi, Giza.

April and May.

Noctuella floralis, HB.

Abundant everywhere.

March to October.

Noctuelia desertalis, HB.

Ma'âdi.

April.

Etiella zinckenella, TREIT.

Ma'âdi

March to October.

Schoenobius(?) incertellus, WALK.

Damanhûr.

September and October.

Schoenobius sp.

Sakha.

July.

Thirty-six spp. unidentified.

PTEROPHORIDÆ.

Agdistis tamaricis, Z.

Ma'âdi, Montaza.

March to June.

Pterophorus(?) monodactylus, L.

Ma'âdi.

June.

Orneodes magadis, MEYR.

Ma'âdi.

March and April.

Five spp. unidentified.

TORTRICIDÆ.

Crociosema plebejana, Z.

Giza.

May and June.

Pamene pharaonana, KOLL.

Ma'âdi.

March, October and November.

Carpocapsa pomonella, L.

Bred on apples imported from Italy.

Six spp. unidentified.

GLYPHIPTERYGIDÆ.

Simæthis ægyptiaca, Z.

Gezira, Sakha.

June and July.

TINEIDÆ.

(sensu lato.)

Plutella maculipennis, CURT.

Ma'âdi, Cairo, Sakha.

January to August.

Gelechia gossypiella, SAUND.

Abundant everywhere.

All the year.

Sitotroga cerealella, OL.

Ma'âdi, Cairo, Menûf.

April to October.

Pyroderces gossypiella, WLSM.

Widely distributed.

October to December.

Trichophaga swinhœi, BUTLER.

Ma'âdi, 'Ezbet el Nakhl.

March to October.

Tinea fuscipunctella, HAW.

Ma'âdi.

November.

Phthorimæa operculella, Z.

Bred from potatoes imported from

Malta.

July and August 1915.

Twenty-eight spp. unidentified.

THYSANOPTERA.

THRIPIDÆ.

Limothrips cerealium, HAL.

Betbes.

October.

Retithrips ægyptiaca, MARCHAL.

Abundant everywhere.

In Autumn.

Three spp. unidentified.

DIPTERA.

TIPULIDÆ.

- Trimicra pilipes**, F.
Minia, Ma'âdi, Mariût.
March to May.
One sp. unidentified.

PSYCHODIDÆ.

- Phlebotomus papatasii**, SCOP.
Common everywhere.
April to October.
Psychoda sp.
Abundant everywhere.
All the year.

CULICIDÆ.

- Anopheles mauritanus**, GRANDPRÉ.
Sherbin, Kafr el Dawâr, Damietta,
Alexandria.
August to December.
Anopheles palestinensis, THEO.
Baharia and Siwa Oases.
November.
Anopheles pharoensis, THEO.
Widely distributed.
June to December.
Anopheles turkhudi, LISTON.
Kharga and Baharia Oases, Helwân,
Ma'âdi, Cairo, Khanka, Suez.
November to February.
Stegomyia fasciata, F.
Ma'âdi, Cairo, Suez.
All the year.
Uranotænia unguiculata, EDW.
Giza.
November and December.
Ochlerotatus dorsalis, MEIGEN.
Kharga, Baharia and Siwa Oases,
Fayûm, Ma'âdi, Gezira, Damietta.
All the year.

Theobaldia spathipalpis, ROND.

Fayûm, Ma'âdi, Giza, Gezira, Zifta.
November to April.

Culex fatigans, WIED.

Ma'âdi, Giza, Cairo, Khanka, Kafr
el Dawâr.
All the year.

Culex invidiosus, THEO.

Ma'âdi, Giza, Shibû el Kôm, Desûq,
Damietta, Port Said.
All the year.

Culex pallidocephalus, THEO.

Abundant everywhere.
All the year.

Culex pipiens, L.

Abundant everywhere.
All the year.

Culex quasigelidus THEO.

Ma'âdi, Giza.
October and November.

Culex theileri, THEO.

Kharga Oasis.
January.

CHIRONOMIDÆ.

Leptoconops kertészi, KIEFF.

El Rico.
March.
Seven spp. unidentified.

MYCETOPHILIDÆ.

One sp. unidentified.

CECIDOMYIDÆ.

Five spp. unidentified.

BIBIONIDÆ.

One sp. unidentified.

STRATIOMYIDÆ.

Stratiomys anubis, WIED.

Fayûm, Giza, Marg, Suez, Kafr el
Dawâr, Mallâha.

January to August.

Stratiomys sp.

Marg.

February and March.

TABANIDÆ.

Tabanus alexandrinus, WIED.

Mariût.

March.

Tabanus cyprianus, RIC.

Marg.

June.

Tabanus ditæniatus, MACQ.

Widely distributed.

March to October.

Tabanus (?) siccus, WALK.

Isma'îliâ.

July.

Tabanus sufis, GUEN.

Ma'âdi, Aghûr el Kûbra.

August and September.

Tabanus tæniola, P. DE B.

Var. **variatus**, WALK.

Widely distributed.

March to October.

ASILIDÆ.

Twenty spp. unidentified.

THEREVIDÆ.

Thereva sp.

Mariût.

May.

Thereva sp.

Ma'âdi.

September and October.

EMPIDIDÆ.

Symballophthalmus sp.

Ma'âdi, Alexandria.

March and November.

Tachydromia sp.

Saqqâra, Ma'âdi, Giza, Qubba, 'Ezbet
el Nakhl, Khanka, Mariût.

March to July.

NEMESTRINIDÆ.

Nemestrina ægyptiaca WIED.

Ma'âdi, Giza.

February to May.

Nemestrina rufipes, OL.

Ma'âdi, Giza, Zeitûn.

March to May.

Nemestrina sp.

Mariût.

May.

BOMBYLIIDÆ.

Bombylius flavipes, WIED.

Abu Tig, Ma'âdi, Giza, Marg, Mariût.

March to May.

Bombylius pictipennis, LW.

Mariût.

March.

Sisyrophanus sp.

Mariût.

March.

Anastœchus sp.

Saqqâra, Giza, Mariût.

May.

Anastœchus sp.

Mariût.

May.

Dischistus, three spp. unidentified.

Geron, three spp. unidentified.

Toxophora sp.

Ma'sâra.

April.

Lepidophora sp.

'Ezbet el Nakhl.

May.

Exoprosopa bagdadensis, MACQ.

Mazghûna, Ma'âdi, Heliopolis, 'Ein
el Shams, 'Ezbet el Nakhl.

April and May.

Exoprosopa ferruginea, KLUG.

Ma'âdi.

June to August.

Exoprosopa noctilio, KLUG.

Mazghûna, Saqqâra, Giza, Gezîra,
Embâba, 'Ezbet el Nakhl.

May to July.

Exoprosopa senilis, KLUG.

Lahûn, Qubba, 'Ezbet el Nakhl, Ber-
kâsh, Abu Qîr, Ma'mûra, Mariût.

April to June.

Exoprosopa sp.

Alexandria, Mariût.

May to July.

Argyramœba leucogaster, MACQ.

Nag' Hamadi, Ma'âdi, 'Ezbet el Nakhl.
March to November.

Argyramœba ocyale, KLUG.

Kharga Oasis, Nag' Hamâdi, Ma'âdi,
Heliopolis, Alfia, Zagazig, Mariût.
June to October.

Argyramœba, three spp. unidentified.

Thyridianthrax griseola, KLUG.

Lahûn, Mazghûna, Giza, Moqattam
Hills, Marg, Abu Qîr.

May to September.

Thyridianthrax incana, KLUG.

Abn Qîr, Montaza, Alexandria,
Mariût.

May to July.

Thyridianthrax stigmula, KLUG.

Lahûn.

April and May.

Thyridianthrax, three spp. unidentified.

Anthrax circe, KLUG.

Widely distributed.

March to October.

Molybdamœba, five spp. unidentified.

Petrorossia, four spp. unidentified.

Gen. sp. unidentified.

SYRPHIDÆ.

Eristalis æneus, SCOP.

Ma'âdi, Giza, Nawa, Edfina, Kafr el
Dawâr.

All the year.

Eristalis quinquelineatus, F.

Ma'âdi, Marg, Suez, Kafr el Dawâr.

March to August.

Eristalis tæniops, WIED.

Common everywhere.

All the year.

Eristalis tenax, L.

Common everywhere.

March to July.

Eristalis sp.

Ma'âdi, Giza, Qubba, Marg, Suez,
Alexandria, Mariût.

All the year.

Syritta spinigera, LW.

Common everywhere.

All the year.

Syrphus corollæ, F.

Abundant everywhere.

All the year.

Syrphus, three spp. unidentified.

Tropidia, three spp. unidentified.

Xanthogramma probably n. sp.

Common everywhere.

February to July.

Xanthogramma sp.

Shûbra.

May.

DOLICHOPODIDÆ.

Dolichopus sp.

Mex.

May.

PHORIDÆ.

Aphiochæta picta, LEHM.

Beni Suef, Zagazig, Belqâs.

December to March.

Aphiochæta sp.

Cairo.

July and December.

PIPUNCULIDÆ.

Pipunculus, two spp. unidentified.

CONOPIDÆ.

Conops sp.

Ma'âdi, Edfîna, Ma'mûra.
April to June.

Occemyia sp.

Embâba, 'Ezbet el Nakhl.
March to June.

Physocephala vittata, F.

Sennûres, Mazghûna, Ma'âdi, Helio-
polis, Zagazîg, Kafr el Dawâr, Mon-
taza.

January to September.

Physocephala sp.

Khanka.
May to September.

TRYPETIDÆ.

Ceratitis capitata, WIED.

Common everywhere.
June to December.

Chætodacus zonatus, SAUND.

Bred from mangoes imported from
India.
May 1914.

Trypanea terminata, Mg.

Helwân Ma'âdi, Moqattam Hills, Old
Suez Road, Heliopolis, 'Ezbet el
Nakhl, Abu Qîr.

February to May.

Seven spp. unidentified.

AGROMYZIDÆ.

Sixteen spp. unidentified.

DROSOPHILIDÆ.

Drosophila melanogaster, Mg.

Abundant everywhere.
All the year.

Three spp. unidentified.

SAPROMYZIDÆ.

Lonchæa aristalis, BECKER.

Giza.
April.

One sp. unidentified.

EPHYDRIDÆ.

Ephydra macellaria, EGGER.

Tanta, Damanhûr, Deirût.
May and June.

Seven spp. unidentified.

OSCINIDÆ.

Oscinella frit, L.

Sollûm.
November.

Five spp. unidentified.

BORBORIDÆ.

One sp. unidentified.

SEPSIDÆ.

Three spp. unidentified.

ANTHOMYIDÆ.

Ten spp. unidentified.

MUSCIDÆ.

Stomoxys calcitrans, L.

Ma'âdi, Nawa, Barrage.
July to November.

Muscina stabulans, FLN.

Abundant everywhere.
All the year.

Stomatorrhina lunata, F.

Tamia, Giza.
May.

Twenty spp. unidentified.

TACHINIDÆ.

Gonia cilipeda, ROND.

Minia, Ma'âdi, Cairo, Zagazîg, Alex-
andria.
April to July.

Gymnopareia ægyptia, VILLEN.

Tûra, Ma'âdi, Mit Okbi, Sidi Ghâzi.
July to December.

Argyrophylax atropivora, R.D.

Ma'âdi, Old Suez Road.
April and May.

Mintho isis, WIED.

Assiût, Abn Tig, Fayûm, Ma'âdi,
Shûbra, Suez.

All the year.

Twenty spp. unidentified.

DETHIDÆ.

One sp. unidentified.

SARCOPHAGIDÆ.

Sarcophaga falculata, PAND.

Common everywhere.

All the year.

Sarcophaga hirtipes, WIED.

Suez.

July.

Twelve spp. unidentified.

CESTRIDÆ.

Gastrophilus equi, F.

Ma'âdi.

April.

Cephalomyia maculata, WIED.

Cairo.

April.

Æstrus ovis, L.

Fayûm, Saqqâra, Ma'âdi, Cairo.

April to June.

Hypoderma bovis, DE GEER.

Cairo.

Larvæ in February and March.

HIPPOBOSCIDÆ.

Hippobosca camelina, LEACH.

Common everywhere.

April to November.

Hippobosca capensis, OLF.

Widely distributed.

All the year.

Hippobosca equina, L.

Abundant everywhere.

May to August.

Lynchia maura, BIGOT.

Fayûm, Ma'âdi, Marg.

March to May.

STREBLIDÆ.

Nycteribosca kollari, FRÉD.

Ma'âdi.

February and October.

ANOPLURA.

PEDICULIDÆ.

Pediculus capitis, DE GEER.

Ma'âdi.

HÆMATOPINIDÆ.

Hæmatopinus tuberculatus, NITSCH.

Cairo.

Hæmatopinus asini, L.

Cairo.

Linognathus pilliferus, BURM.

Ma'âdi.

RHYNCHOTA.

PENTATOMIDÆ.

Odontotarsus caudatus, KLUG.

Marg, Hamûl.

July.

Psacasta exanthemica, SCOP.

Saqqâra, 'Ezbet el Nakhl.

April and May.

Trigonosoma fischeri, H.-S.

Wâdi Rashid, Ma'sâra.

March and August.

Æthus hispidulus, KLUG.

Ma'âdi, Heliopolis, Old Suez Road.

April to May.

Æthus pilosulus, KLUG.

Tura, Ma'âdi.

March to July.

Geotomus elongatus, H.-S.

Giza, Ma'âdi.

June and July.

Macroscytus brunneus, F.

Ma'âdi.

June.

Sehirus dubius, SCOP.

Var. **melanopterus**, H.-S.

Widely distributed.

All the year.

Brachypelta aterrima, FÖRST.

Alexandria.

June to September.

Ælia punctiventris, HORV.

Marg.

July.

Sciocoris umbrinus, WOLFF.

Moqattam Hills.

May.

Eusarcocoris inconspicuus, H.-S.

Tura, Ma'âdi, Marg.

February to August.

Carpocoris fuscispinus, BOH.

Widely distributed.

April to September.

Carpocoris pudicus, PODA.

Widely distributed.

April to July.

Codophila varia, F.

Ma'âdi, Embâba.

May to July.

Brachynema biplaga, WALK.

Ma'âdi.

June.

Brachynema cinctum, F.

Var. **tarsatum**, KLUG.

Hamûl, Alexandria.

July and September.

Nezara millieri, M.R.

Biela, Hamûl, Sollûm.

July to November.

Nezara viridula, L.

Abundant everywhere.

January to August.

Pausias lepriuri, SIGN.

Fayûm, El Qalag.

January and August.

Eurydema ornata, L.

Fayûm, Ma'âdi, Benha, Mahalla el

Kûbra, Kafr el Dawâr.

January to June.

Eurydema festiva, L.

Ma'âdi.

June.

Aspongopus viduatus, F.

Var. **niger**, FIEB.

Kharga Oasis, 'Ein Mûsa.

November and January.

Schizops ægyptiaca, LEF.

Widely distributed.

All the year.

One sp. unidentified.

COREIDÆ.

Phyllomorpha algerica, GUÉR.

El Qalag, Abu Qîr.

March and May.

Haploprocta sulcicornis, F.

Widely distributed.

March to August.

Ceraleptus ægyptius, WESTW.

Maghâgha.

June.

Liorhyssus hyalinus, F.

Widely distributed.

April to June.

Seven spp. unidentified.

PYRRHOCORIDÆ.

Pyrrhocoris apterus, L.

Abu Qîr, Sollûm.

May to November.

Scantius ægyptius, L.

Mariût, Sollûm.

July to November.

LYGÆIDÆ.

Arocatus sp.

Biela.

July.

Lygæus militaris, F.

Widely distributed.

All the year.

Lygæus longulus, DALL.

Heliopolis.

February.

Tropidothorax familiaris, F.

Suez.

May.

Graptostethus servus, F.

Widely distributed.

All the year.

Nysius cymoides, SPIN.

Mazghûna, Gîza, Ma'âdi, Moqattam Hills, Khanka.

May to July.

Nysius ericæ, SCHILL.

Widely distributed.

April to September.

Geocoris acuticeps, SIGN.

Gîza.

June.

Geocoris nigriceps, REICHE.

Ma'sâra, Heliopolis.

March to May.

Var. **henoni**, PUTON.

Ma'sâra, Tura, Heliopolis.

April and November.

Geocoris sp.

Heliopolis.

March.

Mallocoris discifer, STÅL.

Gîza.

Oxycarenus hyalinipennis, COSTA.

Abundant everywhere.

All the year.

Pamera calcarata, PUTON.

Tura.

August to December.

Marmottania simoni, PUTON.

Wâdi Hôf.

April.

Plinthisus minutissimus, FIEB.

Helwân, Ma'âdi, Marg.

February to August.

Fifteen spp. unidentified.

TINGITIDÆ.

Tingis rotundipennis, HORV.

Ma'sâra, Ma'âdi, 'Ezbet el Nakhl.

May.

HYDROMETRIDÆ.

Hydrometra stagnorum, L.

Ma'âdi.

September.

Limnogonus ægyptiacus, PUTON.

Sheikh Fadl, Ma'âdi.

June to November.

REDUVIIDÆ.

Ploiariola sp.

Assiût.

August.

Ploearia grassator, PUTON.

Kharga Oasis, Siwa Oasis, Assiût.

February, August, and November.

Oncocephalus annulipes, STÅL.

Ma'âdi, Cairo.

May to October.

Oncocephalus, three spp. unidentified.

Reduvius pallipes, KLUG.

Widely distributed.

April to August.

Reduvius nebulosus, KLUG.

Var. **dubius**, REUT.

Ma'âdi.

July and August.

Holotrichius innesi, HORV.

Maghâghla, Ma'âdi.

May to September.

Holotrichius sp.

Mariût.

February and November.

Ectomocoris luridus, KLUG.

Ma'âdi.

July.

Ectomocoris ululans, ROSSI.

Ma'âdi, Damanhûr.

May to October.

Pirates chiragra, F.

Beni Suef.

November.

Pirates strepitans, RAMB.

Beni Suef, Ma'âdi, Cairo, Alexandria.

July to November.

Centrosclericoris (?) pallidispinis,

REUT.

Mazghûna, Ma'sâra, Ma'âdi, Heliopolis.

March to August.

Raphidosoma bergevius, POPP.

Mariût.

March.

Coranus ægyptius, F.

‘Ezbet el Nakhl, Khanka, Hamûl, Abu

Qir.

March to September.

Coranus sp.

Marg.

August.

Pachynomus picipes, KLUG.

Giza.

February.

Five spp. unidentified.

SALDIDÆ.

Salda sp.

Ma'âdi.

April.

ANTHOCORIDÆ.

Triphleps sp.

Widely distributed.

February to June.

CIMICIDÆ.

Cimex lectularius, L.

Widely distributed.

All the year.

CAPSIDÆ.

Trigonotylus ruficornis, GEOFF.

Girga, Ma'âdi.

April and November.

Eurystylus bellevoeyi, REUT.

Helwân, Ma'âdi, Qaliûb.

May to November.

Lygus pratensis, L.

Ma'âdi, Sherbin, Mallaha.

March to July.

Lygus contaminatus, FALL.

Sheikh Fadl, Ma'âdi.

March to October.

Camptobrochis punctulatus, FALL.

var. **serenus**, DGL. SC.

‘Ezbet el Nakhl, Qaliûb, Barrage,

Damietta.

May to August.

Creontiades pallidus, RB.

Widely distributed.

April to December.

Lopus albomarginatus, KLUG.

Mariût.

March.

Agraphopus femoralis, HORV.

Ma'âdi.

July.

Ten spp. unidentified.

BELOSTOMATIDÆ.

Belostoma niloticum, STÅL.

Cairo.

May to August.

Sphærodema urinator, DUF.

Cairo.

NOTONECTIDÆ.

Anisops producta, FIEB.

Kharga Oasis, Ma'âdi.

January to August.

Notonecta glauca, L.

Baharia Oasis.

November.

Notonecta sp.

Kharga Oasis.

January and September.

CORIXIDÆ.

Corixa hieroglyphica, DUF.

Helwân, Ma'âdi.

October and November.

Corixa, three spp. unidentified.

Micronecta plicata, COSTA.

Helwân.

October.

CICADIDÆ.

Melampsalta musiva, GERM.

Menûf.

May.

Psalmocharias flavicollis, HORV.

Ma'âdi.

June, 1913.

Zouga longiceps, PUTON.

Mariût.

May and June.

Zouga planiceps, HORV.

Heliopolis.

April to July.

JASSIDÆ.

Agallia venosa, FALL.

Ma'âdi.

June and July.

Twenty-one spp. unidentified.

MEMBRACIDÆ.

Gangroneura delalandei, FAIRM.

Widely distributed.

All the year.

FULGORIDÆ.

Dictyophara unicolor, SIGN.

Ma'âdi, Marg, Mallâha.

April to October.

Oliarus obscurus, SIGN.

Nag' Hamâdi, Giza, Ma'âdi, Marg.

August to November.

Oliarus pallens, GERM.

Widely distributed.

June to November.

Phantia indicatrix, WALK.

Ma'sâra, Ma'âdi.

March, April, and December.

Eight spp. unidentified.

ALEURODIDÆ.

Aleurodes(?) citri, RILEY and HOWARD.

Widely distributed.

Aleurodes sp.

Ma'âdi.

PSYLLIDÆ.

One sp. unidentified.

Old Suez Road.

April.

APHIDIDÆ.

Aphis gossypii, GLOV.

Abundant everywhere.

All the summer.

Dryaphis persicæ, CHOL.

Giza, Shihîn el Qanâter.

May to July.

Schizoneura lanigera, HAUSM.

Fashm.

April.

Numerous species unidentified.

COCCIDÆ.

Aspidiotus aonidum, L.

Abundant everywhere as far south as

Giza.

Aspidiotus aurantii, MASKELL.

Abundant everywhere.

Aspidiotus hederæ, VAL.

On lemons imported from Italy,
Cyprus, and Syria.

Parlatoria proteus, CURTIS.

Widely distributed.

Parlatoria zizyphi, LUCAS.

On oranges and mandarines imported
from Crete and Cyprus.

Mytilaspis beckii, NEWMAN.

Alexandria, Abu Qir. Also on imported oranges and lemons from Italy, Cyprus, and Syria.

Mytilaspis pomorum, BOUCHÉ.

Widely distributed.

Leucaspis riccæ, TARGIONI-TOZETTI.

Fayûm.

Ceroplastes rusci, L.

Widely distributed in Beheira, also at Mataria and Betbes.

Ceroplastes sp.

Fayûm, Mataria, Khanka.

Pulvinaria sp.

Abu Roash, Old Suez Road.

Lecanium hesperidum, L.

Giza.

Lecanium sp.

Port Said.

Lecanium sp.

Giza.

Asterolecanium pustulans, COCKERELL.

Abundant everywhere.

Dactylopius perniciosus, NEWSTEAD
and WILLCOCKS.

Cairo.

Dactylopius sp.

Abundant everywhere on sugar cane.

Icerya ægyptiacum, DOUGLAS.

Abundant everywhere.

Icerya purchasi, MASKELL.

Abundant everywhere.

Icerya seychellarum, WEST.

On bananas imported from Madagascar.

Orthezia insignis, DOUGLAS.

Alexandria.

Numerous species unidentified.

PUBLICATIONS OF THE MINISTRY OF AGRICULTURE.

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” ” ” II.	” ” ” II.
” II, ” I.	” IV, ” I.
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- No. 3. “Note on the Alkaloids of some Egyptian Solanaceæ,” by Frank Hughes, F.C.S., Chemist. (English and French.)
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BOOKS.

- "Agricultural Text Book," Part I. (English and Arabic.)
"Agricultural Text Book," Part II. (English and Arabic.)
"Percival's Botany." (Translation.) (Arabic.)
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